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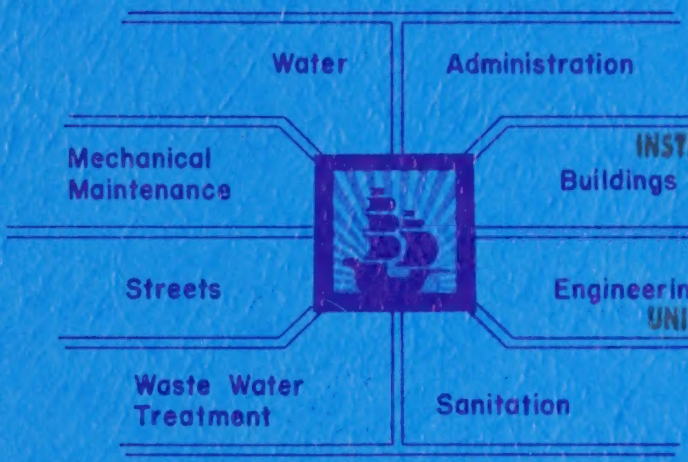
1983-1984

Department of
Public Works



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1983-84
Annual Report

City of Santa Maria

A0183
1983-1984

CITY OF SANTA MARIA • 110 EAST COOK STREET • SANTA MARIA, CALIFORNIA 93454 • 805-925-0951

Department of Public Works

November 30, 1984

Mr. Robert F. Grogan
City Administrator
City of Santa Maria
110 East Cook Street
Santa Maria, CA 93454

Dear Bob:

It is with a great deal of pleasure that this fiscal year report for 1983-84, which is the 14th in a continuing series of this type, is transmitted. Contained in this report for recordation are the significant departmental activities which have occurred during this time period.

We have attempted to include in this report material of statistical and historical value, as well as information of personal interest.

It is appropriate here to express our gratitude to the rest of the City staff for the cooperation and assistance which contributed to our departmental accomplishments. We are even more grateful for the sympathy and understanding that was received for our failures. We look forward to the continuing opportunity to make a contribution toward the total City government's service to its community.

Very truly yours,

Reese N. Riddiough

REESE N. RIDDIOUGH
Director of Public Works

A 0183
1983/1984

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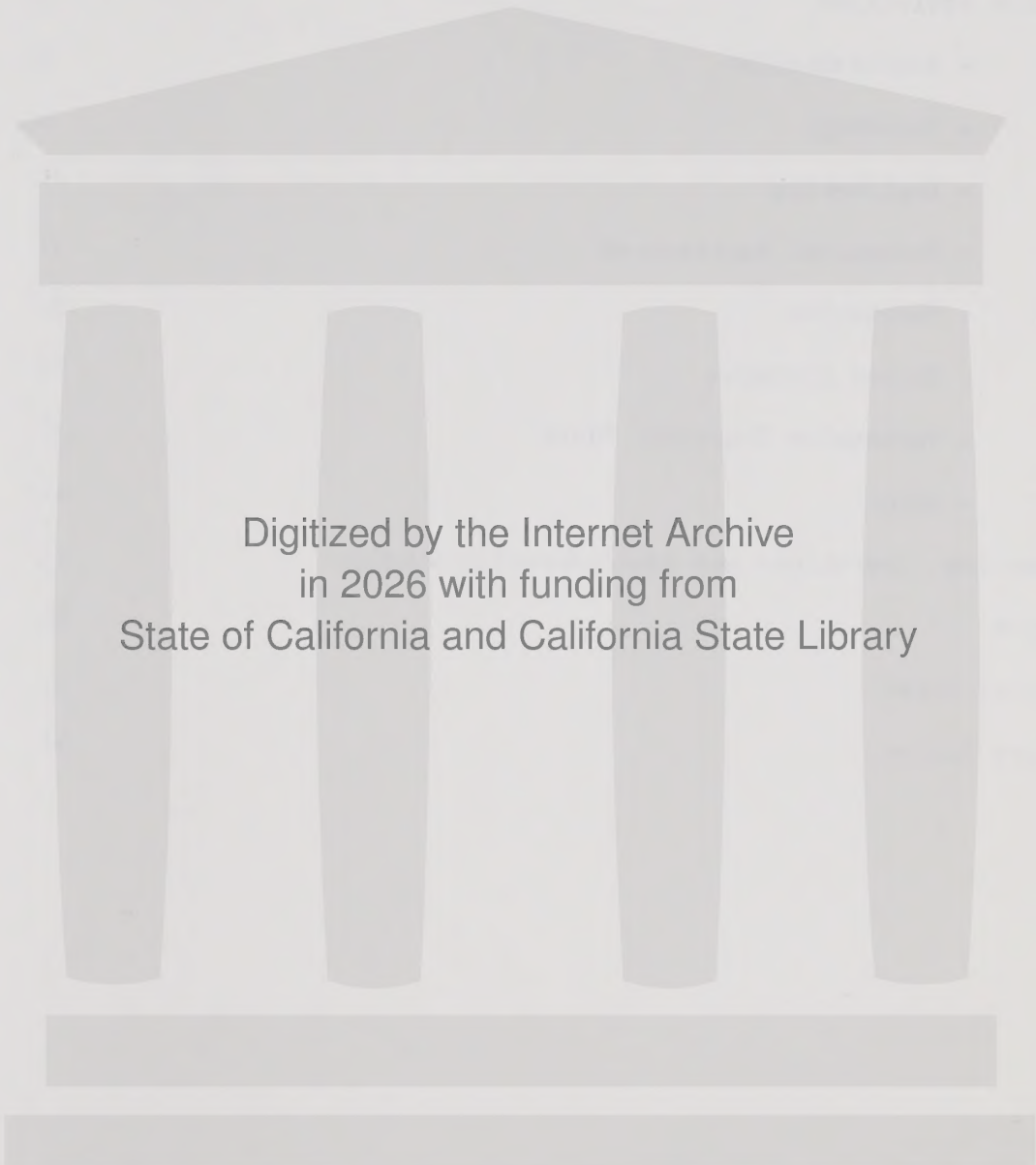
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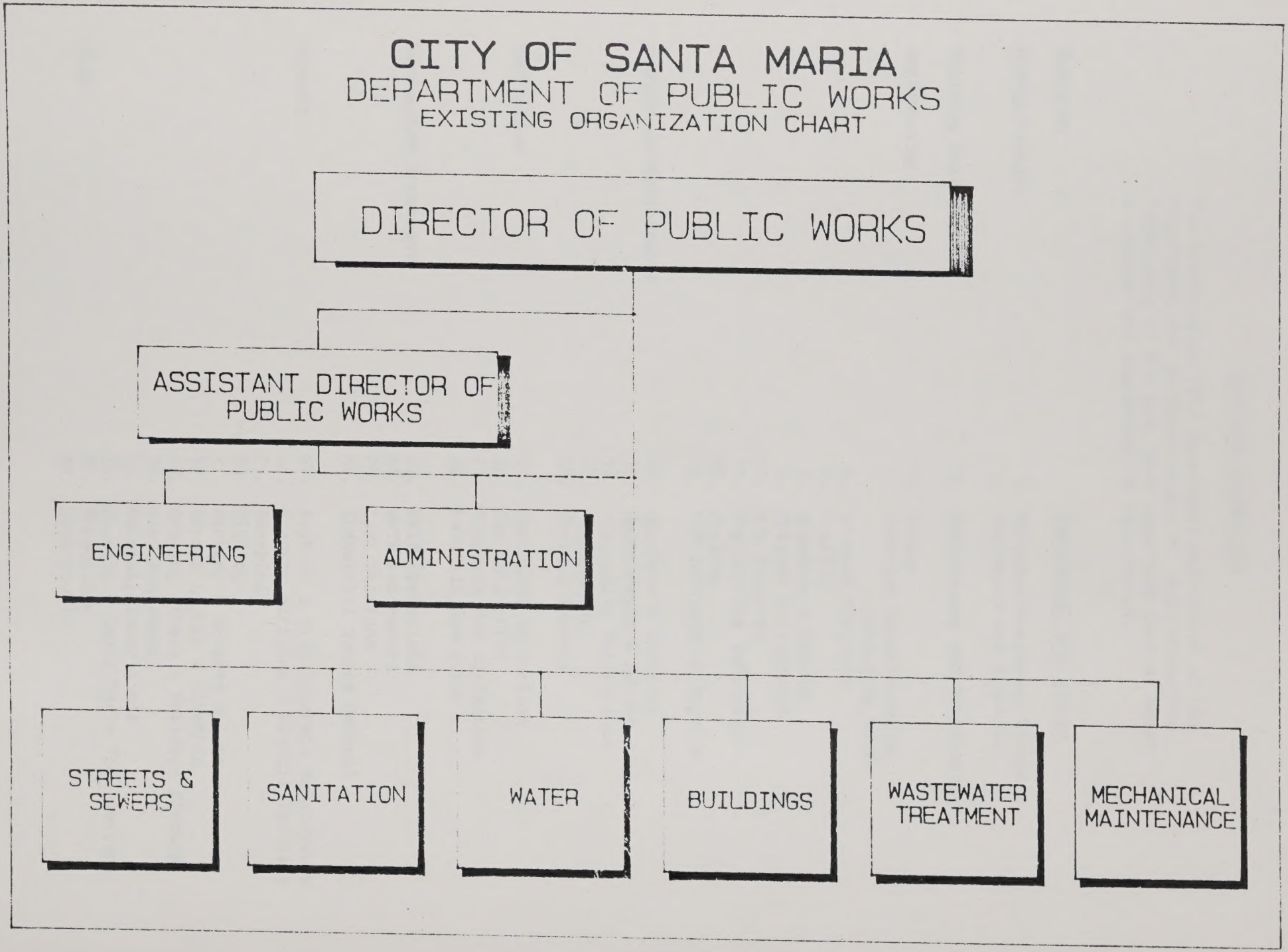

CITY OF SANTA MARIA
DEPARTMENT OF PUBLIC WORKS
EXISTING ORGANIZATION CHART
DIRECTOR OF PUBLIC WORKS
ASSISTANT DIRECTOR OF PUBLIC WORKS
ENGINEERING
ADMINISTRATION
STREETS & SEWERS
SANITATION
WATER
BUILDINGS
WASTEWATER TREATMENT
MECHANICAL MAINTENANCE

FIGURE 1

DIVISION ACTIVITIES

The thirty-eight(38) functional activities of the department are assigned to one of eight divisions. Highlights of the past year regarding each of these divisions are summarized in this report.

Division		Functional Activities
Administration	1.	Director/Assistant Director
	2.	Secretary and Clerical
Building Maintenance	3.	Maintenance and Modification
Engineering	4.	Design
	5.	Contract Administration (including SMAT)
	6.	Advance Planning
	7.	Traffic
	8.	Graphics & Records
	9.	Private Development
	10.	R/W Property
	11.	Engineering Information
	12.	Drainage
	13.	EIR Information Reports
Mechanical Maintenance	14.	Operator's Training
	15.	Maintenance & Repair
	16.	Preventive Maintenance
	17.	Dispatching
	18.	Parts & Records
Sanitation	19.	Container Collection
	20.	Can Collection
	21.	Disposal Fee Collection
	22.	Landfill Operation
Wastewater Treatment	23.	WWTP Operations
	24.	WWTP Laboratory
	25.	Lift Stations
	26.	Industrial Source Control
Streets	27.	Asphalt & P.C. Concrete Maintenance
	28.	Traffic Striping & Stencil Painting
	29.	Sweeping
	30.	Signing
	31.	Parking - Streets & Lots
	32.	Street Lights & Electric
	33.	Grading Alleys & Drainage Ditches
	34.	Weed Abatement
	35.	Maintain Sewer Lines
	36.	Stowell & Santa Maria Town Centers
Water	37.	Production
	38.	Distribution

TABLE 1

ADMINISTRATION

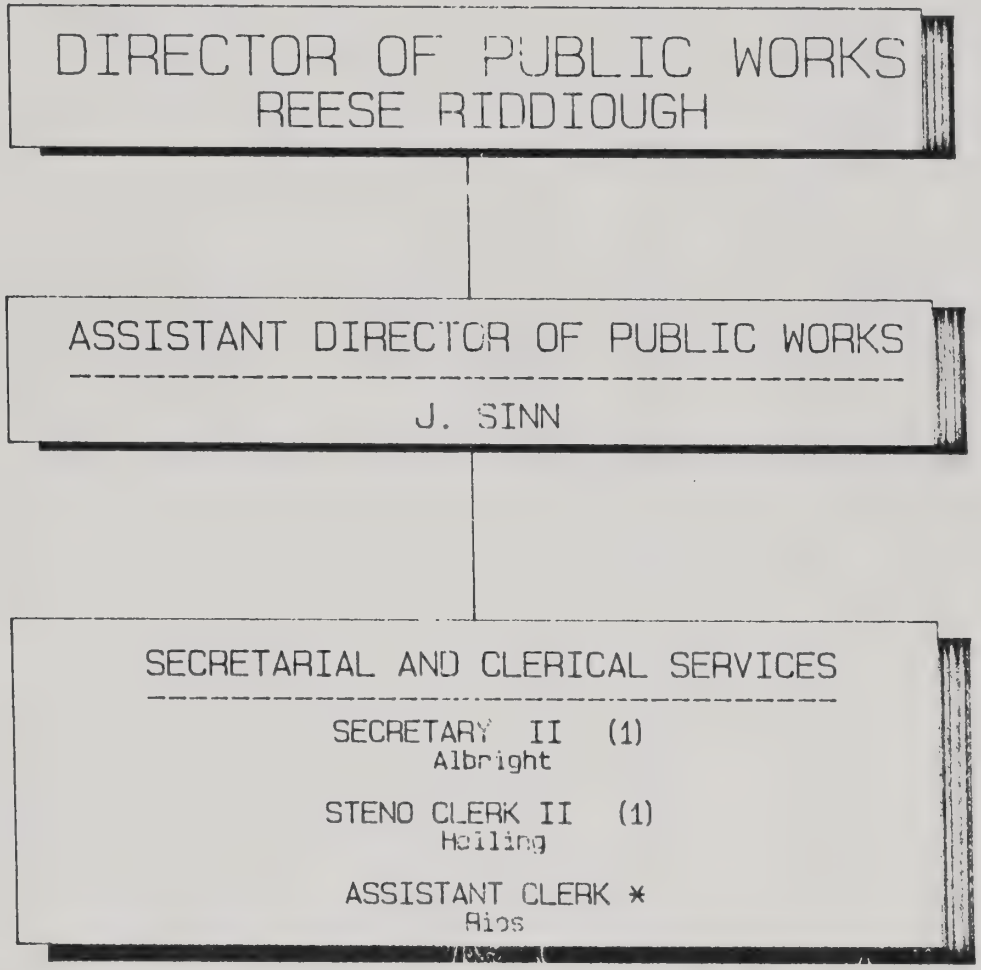
This division is responsible for administrative and clerical support of all activities of the Public Works Department, including coordination of program planning, budget preparation and control, personnel, supervisory training, administrative reports, maintenance of engineering records and investigation of complaints.

In 1983-84 Public Works installed two terminals which are connected by telephone line to the Hewlett-Packard 3000 computer in City Hall. The terminals will mainly be used as word processing stations, but also have the capability to access assessors parcel information, utility billings and other programs available on the HP3000. In addition, the department acquired a HP150 personal computer which allows access to the HP3000, but also has the ability to run thousands of commercially available software programs developed for personal computers. As an example, the charts in the division reports for this document were prepared using the HP150, an inexpensive graphics program and a plotter. These were completed in a fraction of the time that would have been required by a drafter and can be updated in future years with only a few minutes work.

The use of computers in the Public Works Department has proven to be a valuable tool to maximize the available staff time and to produce high quality work.

Total amount collected for street encroachment permits for fiscal year 1983-84 amounted to $4,058. Total permits issued by the Public Works Department were 119, of which 4 were void and 7 were no charge.

CITY OF SANTA MARIA
DEPARTMENT OF PUBLIC WORKS
ADMINISTRATION DIVISION
EXISTING ORGANIZATION CHART



* Part time

FIGURE 2

BUILDING MAINTENANCE DIVISION

The Building Maintenance Division has the responsibility for maintenance and modification of Public Works Center, City Hall, Library, Police Department, Broadway & McClelland modules and Fire Stations with an advisory responsibility for Recreation & Parks Department buildings. These tasks involve all functions connected in the modification and maintenance of all City buildings within the realm of skills and capabilities of this division.

Highlights of work assignments for fiscal year 1983-84 were as follows:

1. Renovation of Recreation & Parks Administration building which included contract for tile roof, forced air heating system and carpet. The Building Division modified for contract installation, painted exterior and built paraplegic ramp.

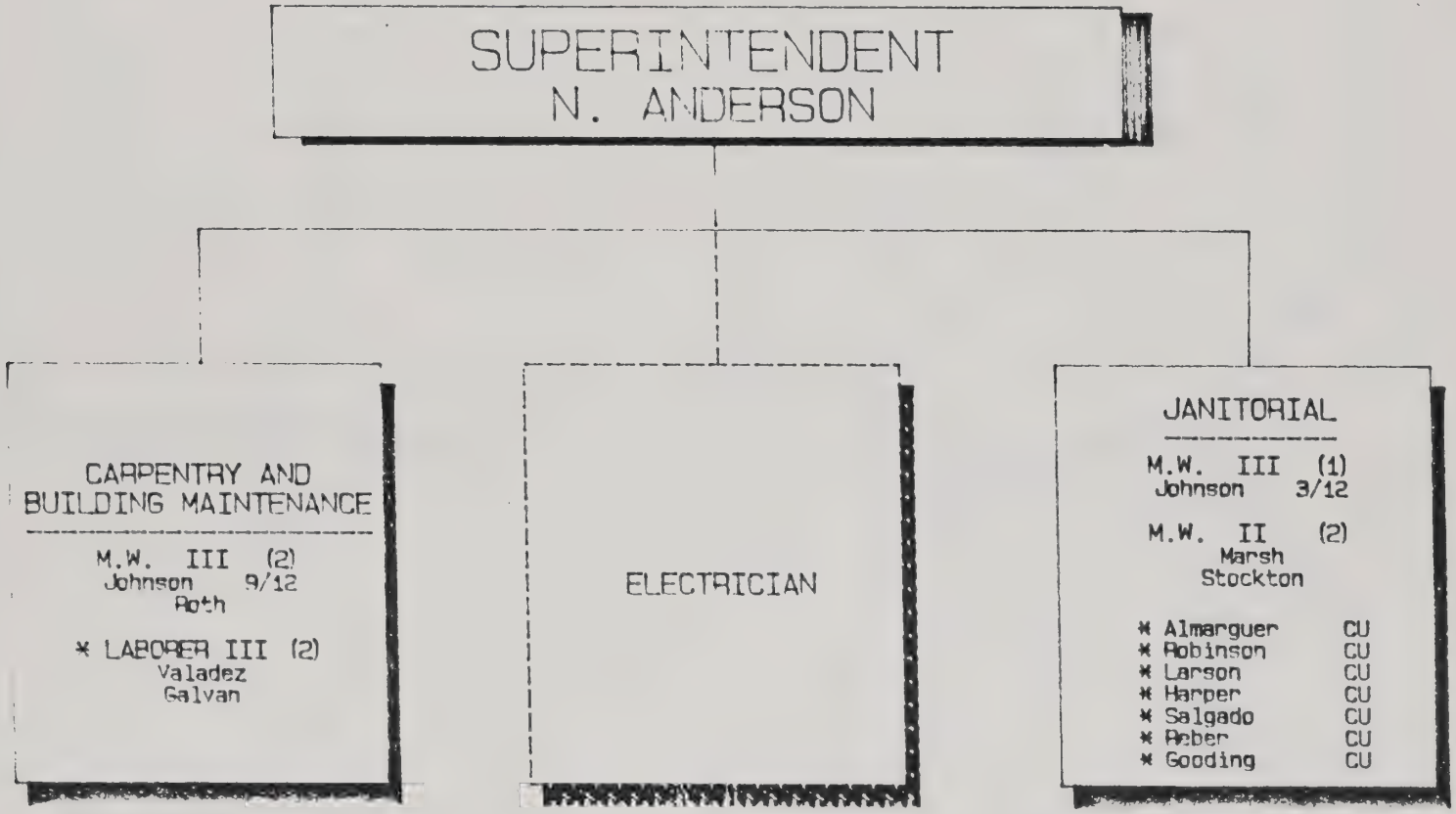
2. Renovation of pistol range at Police Department which included contract for exhaust system and installation of carpet. Building Maintenance Division modified the lead trap from sand to a water pit and made access opening for maintenance and installation of exhaust system, installed new lighting and shields, computerized targets and painted interior of pistol range.

3. Installed slats in cyclone fence at airport storage yard.

4. Installed and taped sheet rock at Fire Station #3 garage and painted interior.

The following Figures 4, 5, and 6 indicate the breakdown of materials costs and staff hours by department where performed, work category performed and work type or cause for work performed.

CITY OF SANTA MARIA
DEPARTMENT OF PUBLIC WORKS
BUILDINGS DIVISION
EXISTING ORGANIZATION CHART



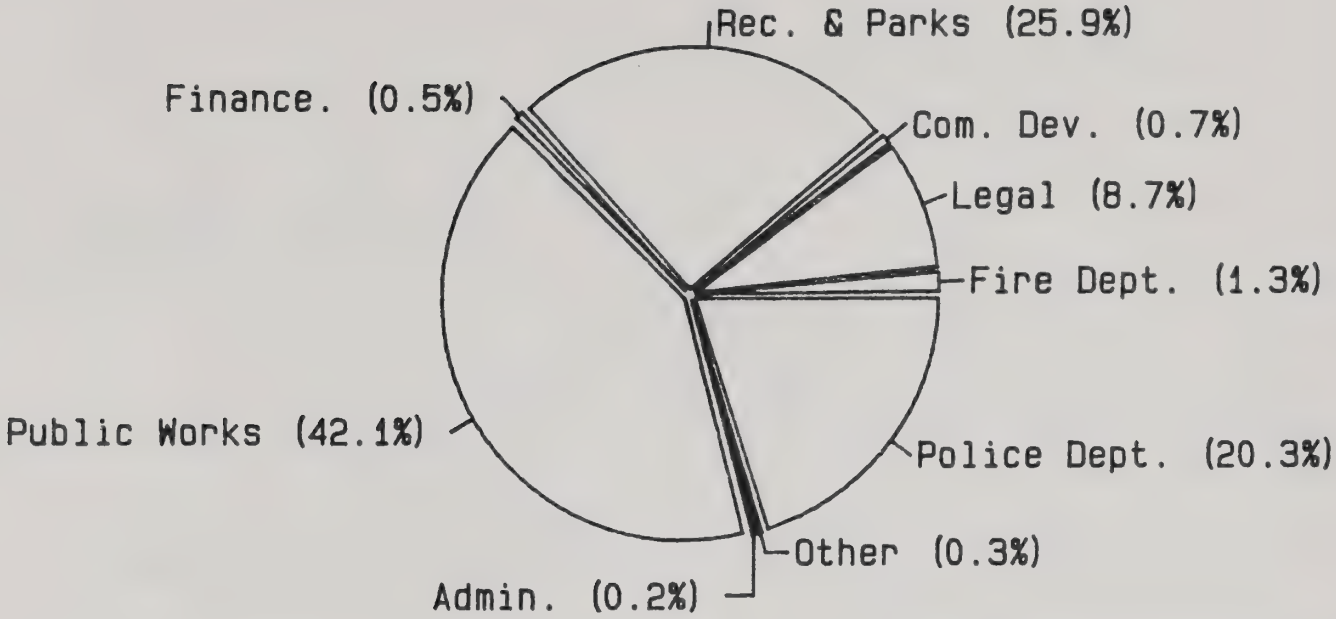
* Part-time

FIGURE 3

BUILDING MAINTENANCE DIVISION

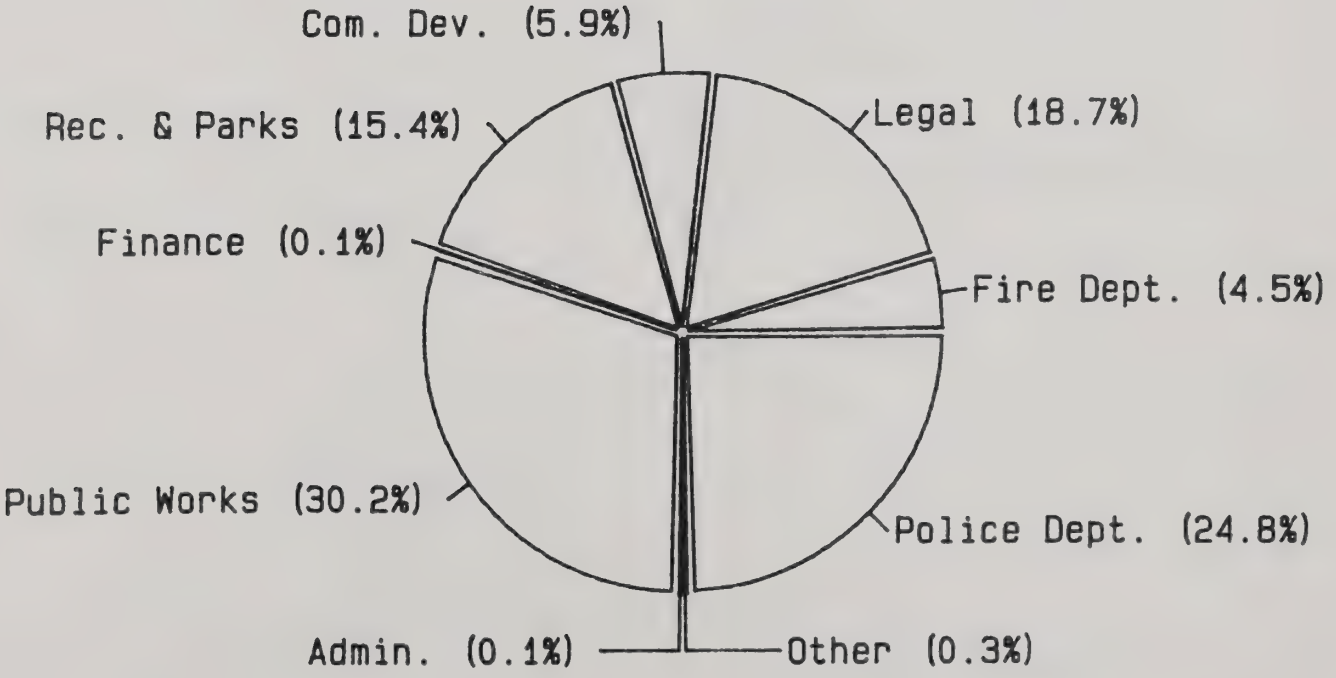
WORK PERFORMED FOR DEPARTMENTS

Materials Cost



TOTAL COST= $38,520

Total Hours



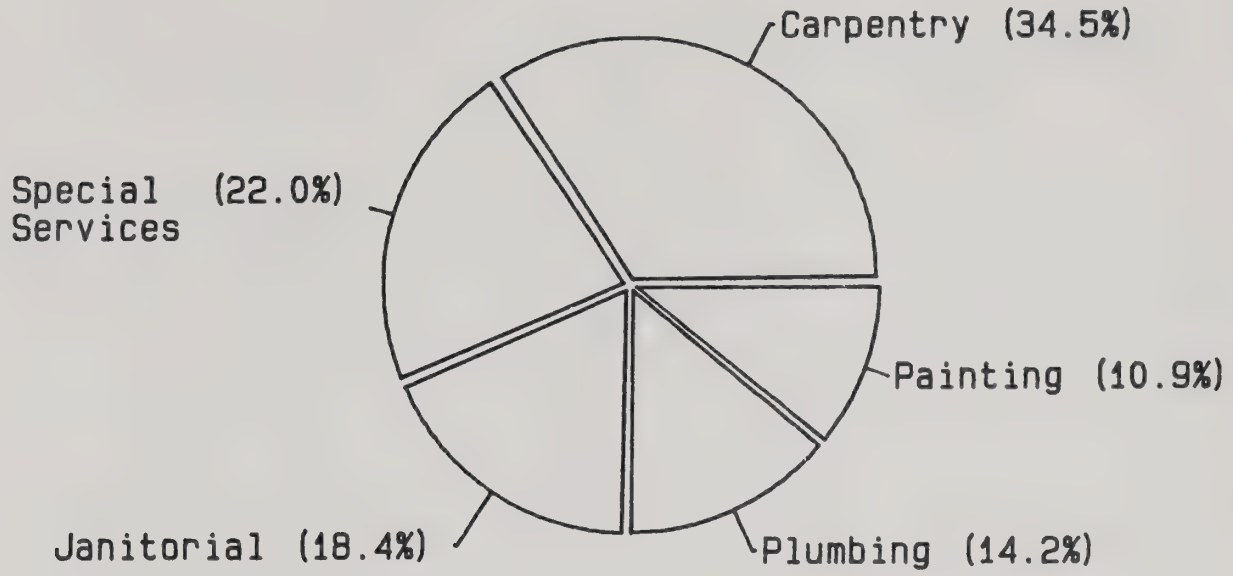
TOTAL= 18,235
(Incl. 919 Borrowed Time)

FIGURE 4

BUILDING MAINTENANCE DIVISION

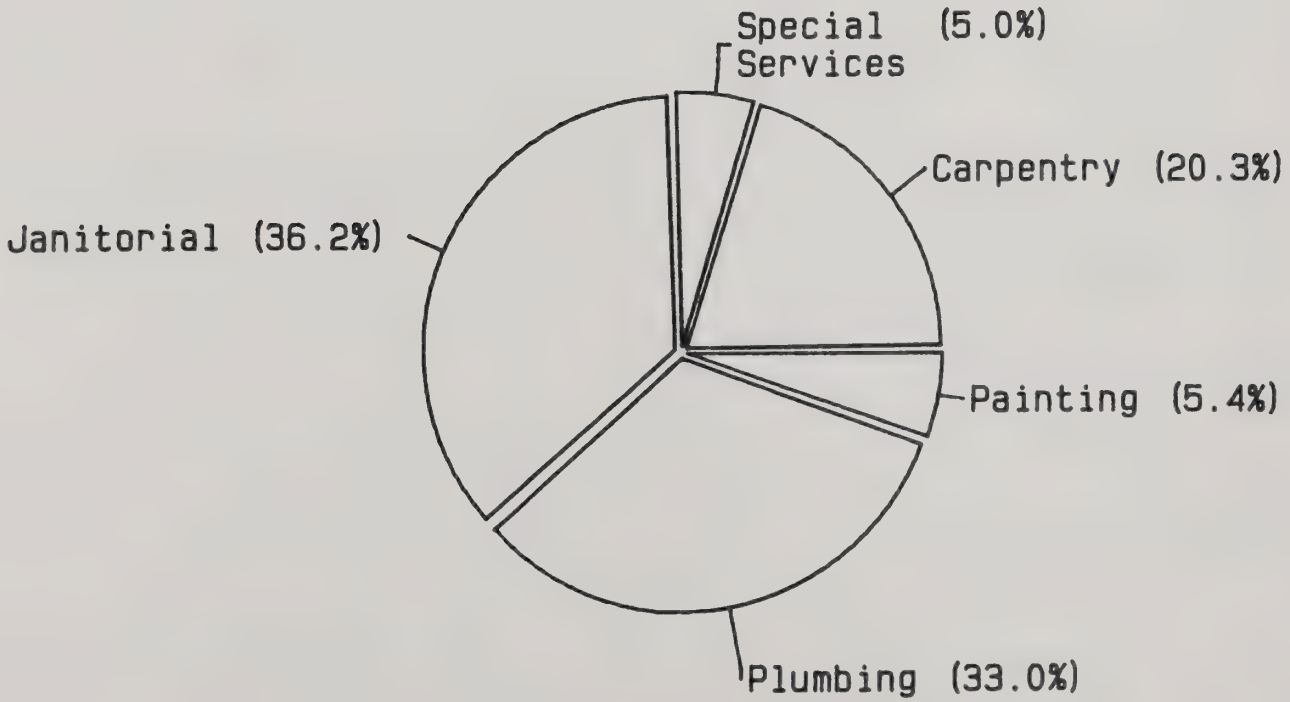
WORK CATEGORY PERFORMED

Materials Cost



TOTAL COST= $38,520

Total Hours



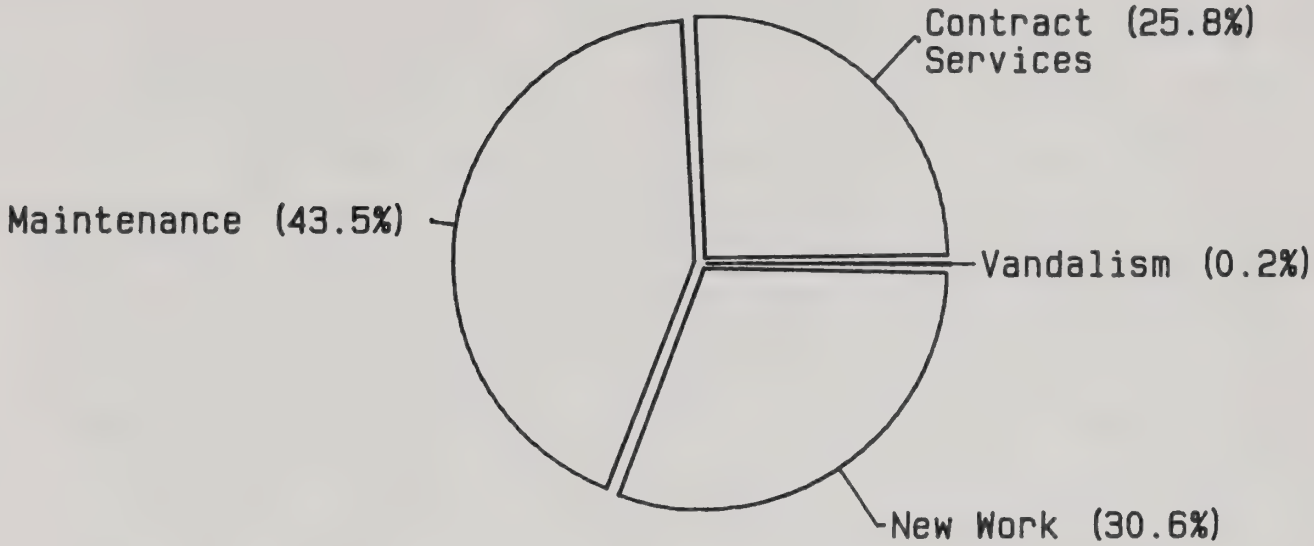
TOTAL= 18,235
(Incl. 919 Borrowed Time)

FIGURE 5

BUILDING MAINTENANCE DIVISION

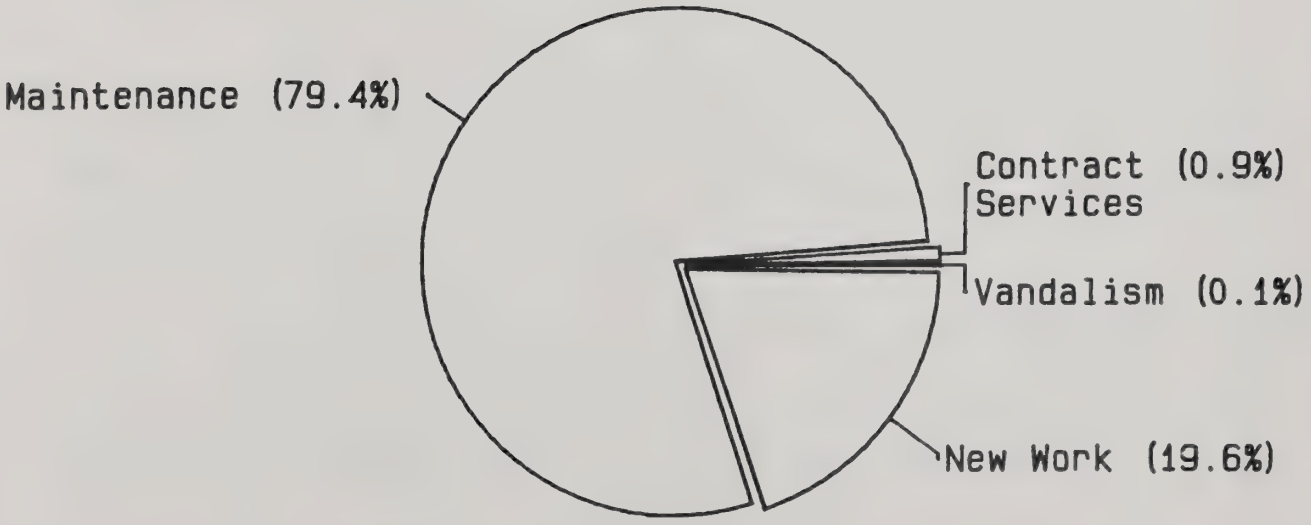
WORK TYPE/CAUSE PERFORMED

Materials Cost



TOTAL COST= $38,520

Total Hours



TOTAL= 18,235
(Incl. 919 Borrowed Time)

FIGURE 6

ENGINEERING DIVISION

The two major construction projects for the past fiscal year were the $1.2 million Mussell Senior Citizens Center and a median improvement project which installed irrigation and landscaping in Miller Street from Santa Maria Way to Inger Drive. In addition, several other projects were completed for the Recreation and Parks Department including replacing the roofing on the office, construction of a tennis stadium at Adam Park and renovating the lighting system at the Atkinson Park softball field. Public Works also completed the annual Street Maintenance and Water Line Replacement Programs and performed additional work on the Suey River crossing, storage yard on Fairway Drive, City Hall and Santa Maria Town Center parking lots and repaired storm damage at the Wastewater Treatment Plant. Construction also began on a major storm drainage facility in McElhany Avenue between Golden Drive and College Drive. Work is scheduled to be complete in July 1984.

The recently completed Wastewater Treatment Plant continued in full operation. The law suit for $1.3 million filed by the contractor is scheduled for trial in October 1984.

Apparently due to favorable interest rates, private development activity was at a very high level throughout the year. There was no change in the personnel compliment for the division (Figure 7).

Figure 8 shows the major activities of this division, plus their respective approximate costs as a percentage of the total division

salaries. Total includes regular salaries, overtime and part time salaries. This total was $308,148.35 for fiscal year 1983-84.

Total authorized budget for this division for 1982-84 was $853,590. During 1983-84, the second year of this recently instituted two-year budget, the amount expended or encumbered was $463,057 or approximately 54% of the funds authorized.

Private development and subdivision activity shown on Figure 8 include the following:

1.	Building site report for the permit application.		111
2.	Subdivision reports for Subdivision Committee meetings.		35
3.	Subdivisions recorded: 17; New Lots:	Residential:	470
		Commercial:	14
		Industrial:	-0-

Traffic Engineering and Traffic Committee activity shown on Plate II include the following:

1.	Curb zone and parking investigation	20
2.	Speed zone studies	2
3.	Truck complaints	2
4.	Intersection studies	15
5.	Traffic signal studies	1
6.	Misc. traffic controls	10
7.	Traffic studies and building sites	2
8.	Annual traffic count summary	
9.	Studies:	
	A. Broadway/Battles	
	B. Dal Porto/Broadway	

Current engineering projects, shown on Table 2, include any project accepted as complete by the City Council during the past year. These projects, prior to construction phase, had a set of plans and specifications prepared or reviewed by this division. Facts included on Table 2 are the final contract amount, dates of Council award and final acceptance, and the percentage of engineering cost for the entire project based on the final contract price.

As recorded by this office, rainfall for the 1983-84 season was 7.39 inches which is well below the average of 13.66 inches for the city.

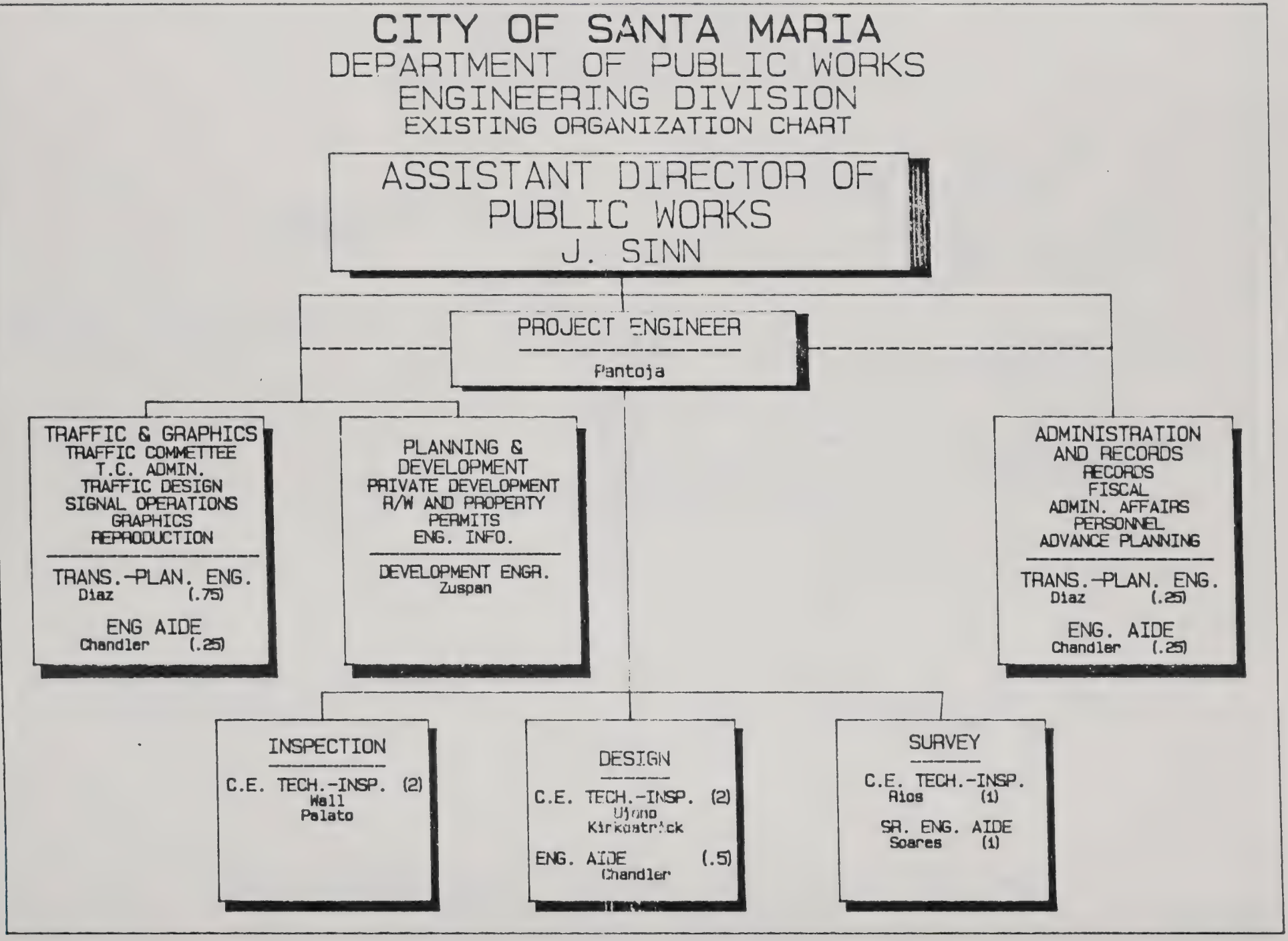
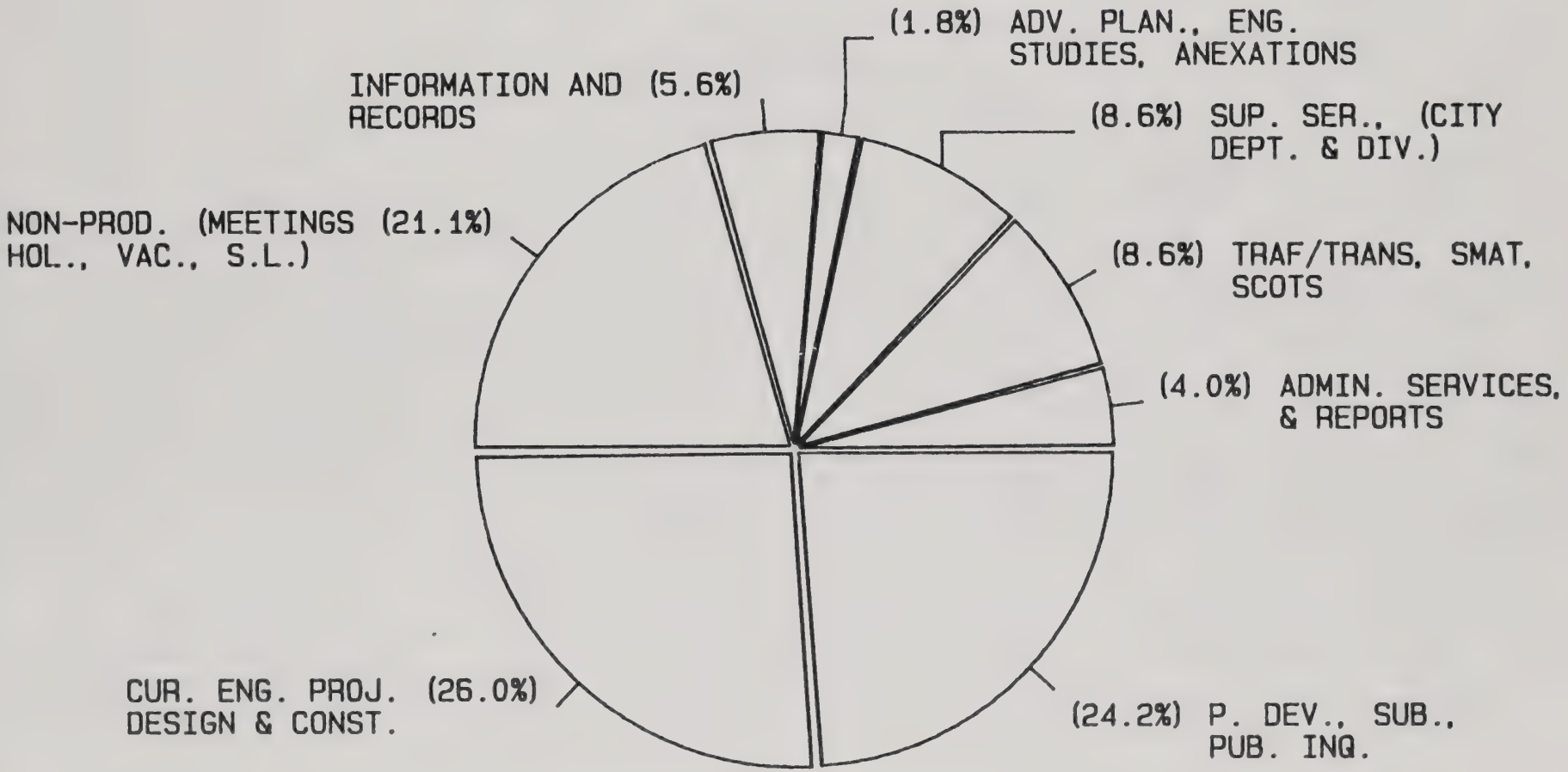

CITY OF SANTA MARIA
DEPARTMENT OF PUBLIC WORKS
ENGINEERING DIVISION
EXISTING ORGANIZATION CHART
ASSISTANT DIRECTOR OF PUBLIC WORKS
J. SINN
PROJECT ENGINEER
Pantoja
TRAFFIC & GRAPHICS
TRAFFIC COMMETTEE
T.C. ADMIN.
TRAFFIC DESIGN
SIGNAL OPERATIONS
GRAPHICS
REPRODUCTION
TRANS.-PLAN. ENG.
Diaz (.75)
ENG AIDE
Chandler (.25)
PLANNING & DEVELOPMENT
PRIVATE DEVELOPMENT
R/W AND PROPERTY
PERMITS
ENG. INFO.
DEVELOPMENT ENGR.
Zuspan
ADMINISTRATION AND RECORDS
RECORDS
FISCAL
ADMIN. AFFAIRS
PERSONNEL
ADVANCE PLANNING
TRANS.-PLAN. ENG.
Diaz (.25)
ENG. AIDE
Chandler (.25)
INSPECTION
C.E. TECH.-INSP. (2)
Wall
Palato
DESIGN
C.E. TECH.-INSP. (2)
Ujono
Kirkpatrick
ENG. AIDE (.5)
Chandler
SURVEY
C.E. TECH.-INSP.
Rios (1)
SR. ENG. AIDE
Soares (1)

FIGURE 7

CITY OF SANTA MARIA

Engineering Division

Staff hour Assignments 1983-84


(1.8%) ADV. PLAN., ENG. STUDIES, ANEXATIONS
(8.6%) SUP. SER., (CITY DEPT. & DIV.)
(8.6%) TRAF/TRANS, SMAT, SCOTS
(4.0%) ADMIN. SERVICES, & REPORTS
(24.2%) P. DEV., SUB., PUB. INQ.
CUR. ENG. PROJ. (26.0%) DESIGN & CONST.
NON-PROD. (MEETINGS (21.1%) HOL., VAC., S.L.)
INFORMATION AND (5.6%) RECORDS

TOTAL SALARIES: Regular Salaries, Over Time and Part Time

1983-84 TOTAL: $308,148.35

ARENGSHA

FIGURE 8

ENGINEERING DIVISION
TABLE 2
FISCAL YEAR ENGINEERING PROJECTS

(Project Construction Started and/or Completed;
7/1/83 to 6/30/84)

BID NO.	PROJECT DESCRIPTION	FINAL CONST. COST	COUNCIL AWARD	COUNCIL ACCEPTANCE	PERCENT ENGR/ COST/PROJECT	CONTRACTOR
83/2	Seal Coat Application at Santa Maria Town Center Mall and City Hall Parking Lot	$21,674.19	9/7/82	1/11/83	1.57%	Cal-Slurry Inc.
83/5	Mussell Senior Citizens Center-Trefts park	$1,213,123.07	1/18/83	4/6/84	1.68%	Bonita Homes Inc.
83/7	Re-Roof Recreation and Parks Department Offices	$9,981.00	8/2/83	11/15/83	1.76%	Kyle Roofing Co.
84/1	Street Maintenance 1983	$285,754.42	8/16/83	3/20/84	0.55%	A.J. Diani Const. Co. Inc.
84/2	Suey Crossing Road Reconstruction and West Fairway Drive Storage Yard Paving	$29,567.71	8/16/83	11/15/83	8.67%	A.J. Diani Const. Co. Inc.
84/3	Stadium at Tennis Court #6, Adam Park	$31,750.00	9/20/83	2/21/84	4.79%	D.W. Peterson
84/4	Miller Street Medians Irrigation and Landscaping	$140,317.00	9/20/83	3/20/84	3.94%	Dennis Landscape Company
84/7	Storm Damage Repair at City of Santa Maria Wastewater Treatment Plant	$29,480.00	12/20/83	3/20/84	3.30%	A.J. Diani Const. Co. Inc.
84/8	Chemical Weed Abatement 1983-84	$19,885.62	1/3/84	3/6/84	0.15%	Frank J. Olocco
84/9	Renovate Existing Lighting System at Atkinson Park Softball Field	$23,258.00	2/7/84	5/15/84	5.96%	Lee Wilson Electric

TABLE 2

MECHANICAL MAINTENANCE DIVISION

This division is responsible for the management of the City's entire fleet of vehicles and other similar equipment. The mobile and stationary fleet has approximately 240 gasoline and diesel-powered equipment of various sizes and types. The major portion consists of passenger vehicles and trucks, the remainder includes miscellaneous power equipment from lawn edgers to a Caterpillar D-8 bulldozer.

The maintenance program includes "in-house" minor and major engine repairs, tune-ups, general repairs, metal fabrication, minor body repairs, brake repairs, tire repairs, lubrication and an effective preventive maintenance program. An analysis is performed on each job to assure best overall economy and safety. This has resulted in operating the division with a minimum dollar budget. This division is unique in that it operates as a "pool" rental system for all the mechanical equipment used by all the departments and divisions and entails the development of the specifications for purchasing of same; keeps detailed records for equipment cost analysis and setting of the rental rates for vehicles as well as the City radio communication units.

During the fiscal year, fleet vehicles traveled 1,480,9891 miles, an increase of 2.2% from last year, using some 237,008 gallons of fuel, an increase of 2.5% from last year. Service fuel delivery tickets used during this period were 16,728.

The division used 2,447 shop repair orders. This is an increase of 30 over that used last year.

The division used approximately 25.0 man-hours to assist the other City departments on specialized projects, such as fabrication and welding. The cost of personnel, equipment and material for this service is reimbursed through "Inter-departmental" billing.

A budget balance is sustained through revenue from the Pool Rental Program and other reimbursements, as follows:

a.	Assigned and unassigned vehicles	$ 1,786,460
b.	Private party accident insurance	1,100
c.	Sale of surplus vehicles and equipment	17,000
d.	State of California gasoline road tax rebate	1,100
e.	Services provided to other agencies	13,000
		$ 1,818,660

Police patrol and Santa Maria Area Transit (SMAT) accounted for the greatest miles traveled during 1983-84 fiscal year. Police patrol operated 14 black and white units for a total of 398,787 miles or an average of 2,374 miles per unit per month for the 12-month period.

SMAT operated nine mini buses in providing door-to-door, fixed route and heath services transportation compiling a total of 292,796 miles traveled for the year.

The Fire Department reported a 7% increase in emergency and public service calls over the previous year.

Sanitation Division saw a 4.2% increase of refuse intake at the City's Landfill which in turn increased landfill heavy equipment operating hours slightly over the previous 12-month period.

Petroleum dealers are optimistic that fuel supplies will remain stable; however, as in the past, fuel supply shortages may occur in the

future. Therefore, this division will continue to seek fuel saving methods, i.e., down size replacements where possible, encourage fuel saving driver's techniques (CAM 81-1) and investigate alternative fuels.

Figure 10 depicts man hours for the various segments of this division's work.

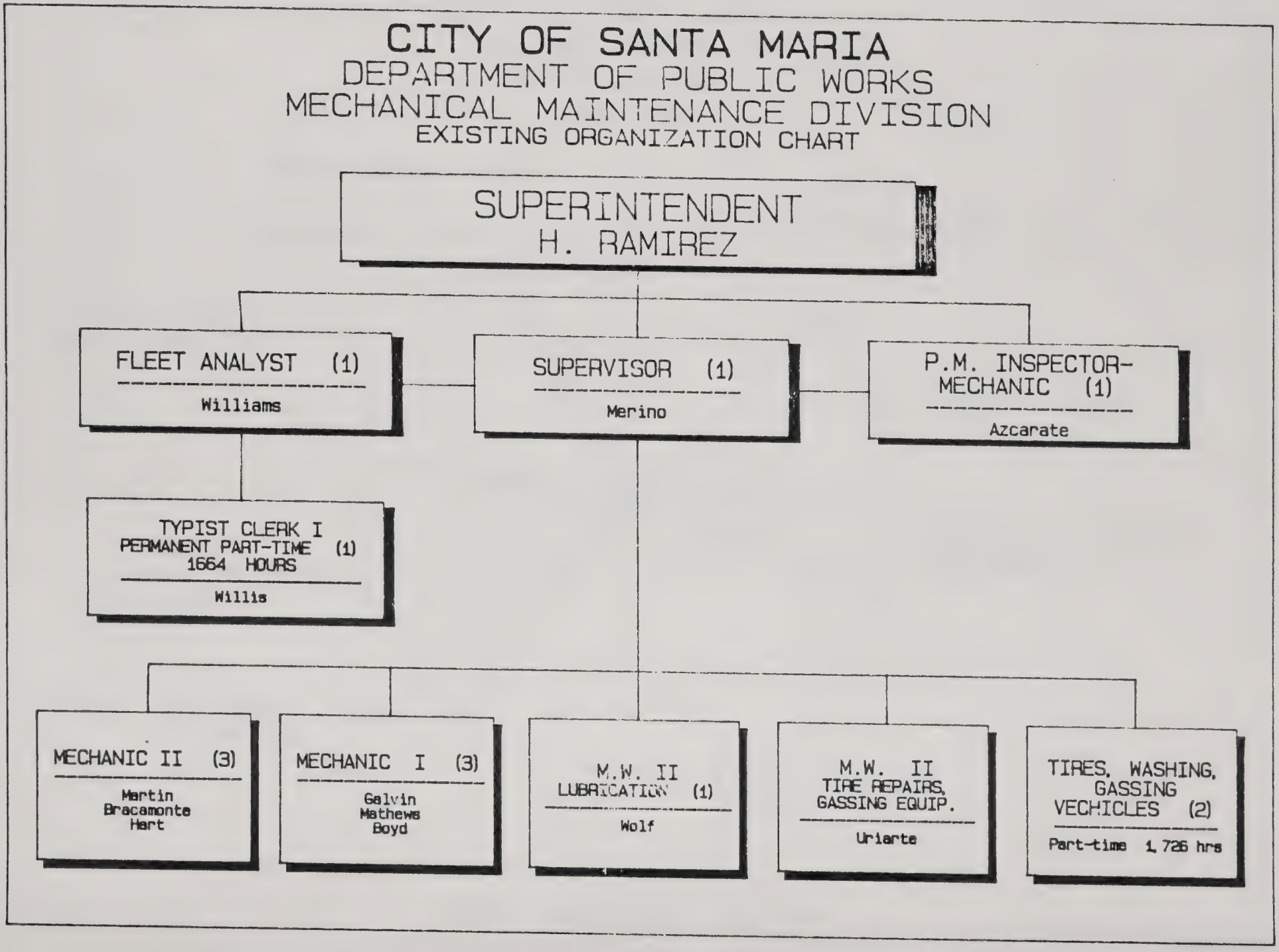

CITY OF SANTA MARIA
DEPARTMENT OF PUBLIC WORKS
MECHANICAL MAINTENANCE DIVISION
EXISTING ORGANIZATION CHART
SUPERINTENDENT
H. RAMIREZ
FLEET ANALYST (1)
Williams
SUPERVISOR (1)
Merino
P.M. INSPECTOR-MECHANIC (1)
Azcarate
TYPIST CLERK I
PERMANENT PART-TIME (1)
1664 HOURS
Willis
MECHANIC II (3)
Martin
Bracamonte
Hart
MECHANIC I (3)
Galvin
Mathews
Boyd
M.W. II
LUBRICATION (1)
Wolf
M.W. II
TIRE REPAIRS, GASSING EQUIP.
Uriarte
TIRES, WASHING, GASSING VECHICLES (2)
Part-time 1,726 hrs

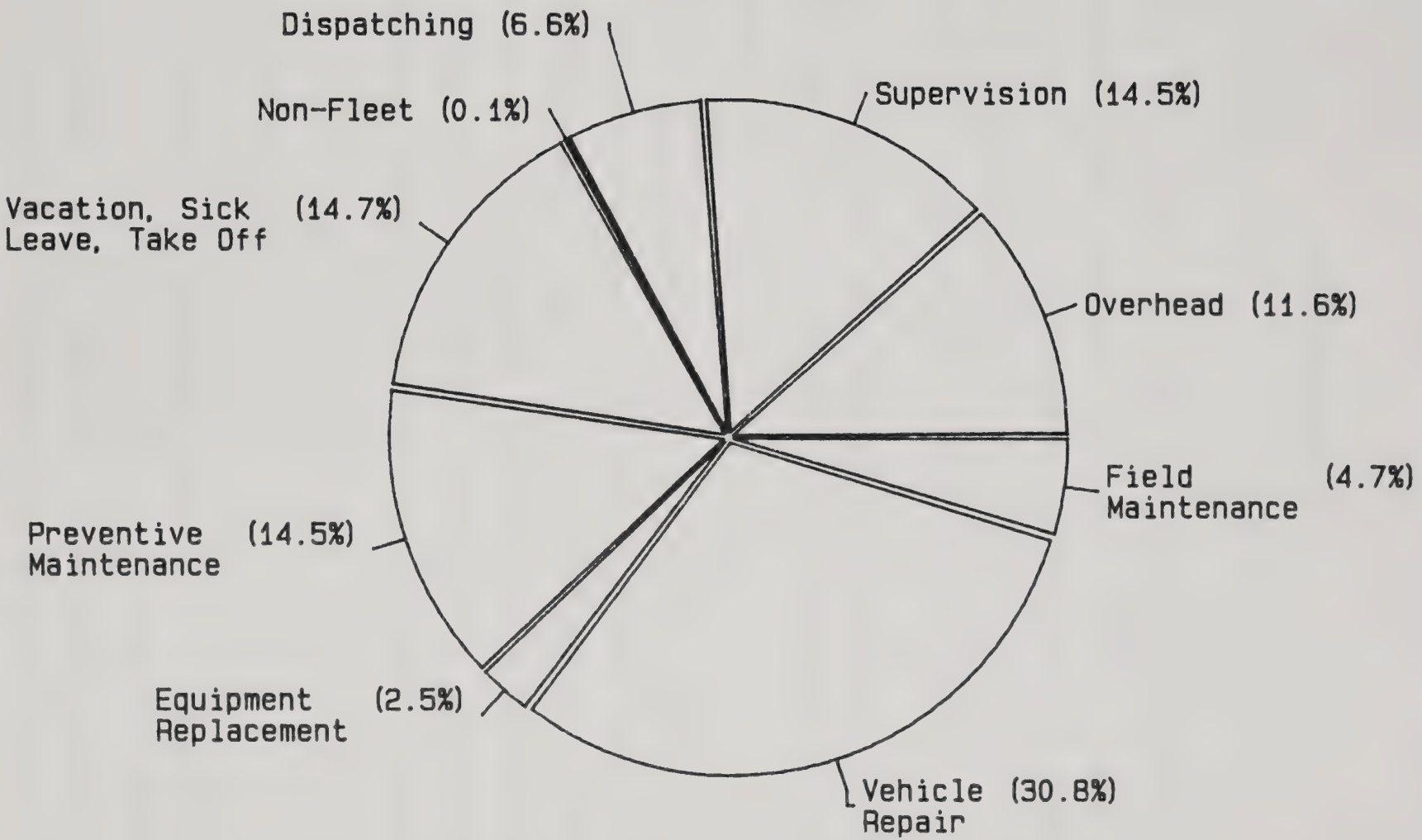
FIGURE 9

CITY OF SANTA MARIA

MECHANICAL MAINTENANCE

Man Hour Chart

1983-84



TOTAL MAN HOURS: 24,714

ARMMMHC

FIGURE 10

SANITATION DIVISION

Collection

The collection section of the Sanitation Division is responsible for the collection of mixed refuse from approximately 11,008 residential and commercial accounts (an increase of 4% over last year) using City personnel and equipment. Residential refuse is collected twice each week and the commercial accounts are serviced from one to six times each week.

The collections are made by two residential rear loading crews and four side loader crews and the commercial accounts are picked up by three front loader drivers.

Since the newspaper program was initiated on February 1, 1974, the program has not progressed as planned. The market has become unreliable due to its fluctuating status. Along with this, it has become increasingly more difficult to find a creditable and reliable buyer. Therefore, the newspaper program has been ceased until an efficient and economical program can be implemented. Endeavors are ongoing to formulate a future program.

Capital improvements added this year consists of 50 new refuse bins purchased for new accounts.

Shown in Figure 12 is a comparison of the number of miles traveled by all Sanitation Division trucks for each of the last ten years for the month of June of each year. The 1981 reduction in residential miles traveled is a result of districting of the City for collection purposes along with the

balancing of all the collection routes, which was implemented June 2, 1980. The drop off in miles traveled in 1974 can be attributed to the energy shortage and a resultant change in operation. The increase in 1975 is caused by new construction and when the new scales were available early in 1975 the Highway Patrol pointed out, in the form of a warning, that some of our trucks were overloaded. As a result, more trips were made to the landfill with lighter loads.

Figure 13 indicates the number of accounts for the residential and commercial service over the past 11 years. A point to be noted is the 1979 account figures were taken from the number of water meters in the City which included accounts serviced by Health Sanitation Service. The 1980 accounts are actual per computer print out.

Figure 14 shows the total tons hauled for the past five years for the month of June of each year.

Disposal

The disposal section of the Sanitation Division is responsible for operation of the City Landfill along the easterly terminus of East Main Street. This involves the spreading, compacting and covering of all refuse produced in the City, as well as all produced by residents adjacent to the City in San Luis Obispo and Santa Barbara Counties. This also includes estimating small pickup loads and collecting cash or issuing charge tickets for all loads dumping at the landfill. Some of the associated activities are comprised of constructing and maintaining the access road and erecting fences for the control of blowing paper.

Increases in dumping fees were instituted during the fiscal year; July 1, 1983 +15%.

There was no capital improvement in fiscal year 1983-84.

Figure 15 shows the acreage used through the fiscal years from 1965-66 to 1983-84. The variation from a normal increase each year, starting in 1968-69 to present, is caused by the different types of land being used (reuse of the old dump versus clean land). The reduction in land used in 1975-76, 1976-77 and 1981-82 and 1983 was caused by raising the height of the finished fill higher than in previous years, in addition to the clean land now being used. Increased land useage generally is the result of not going above the levee height to make a contoured hill and increased use of the landfill by the public. In March 1983, 84 additional acres were purchased adjacent to the existing facility.

Approximately 241.20 acres of clean land is remaining for the existing landfill operation as of June 30, 1984.

Figure 16 indicates the total number of tons received at the landfill for the various calendar years since operation of the scales commenced and the average tons received per day for the calendar year beginning November 1980. These figures are reported on a quarterly basis to the Regional Water Quality Control Board in compliance with Order No. 72-74 adopted October 12, 1972.

Figure 17 indicates the total loads for the year and average number of loads/day received at the landfill beginning with calendar year 1981.

CITY OF SANTA MARIA
DEPARTMENT OF PUBLIC WORKS
SANITATION DIVISION
EXISTING ORGANIZATION CHART

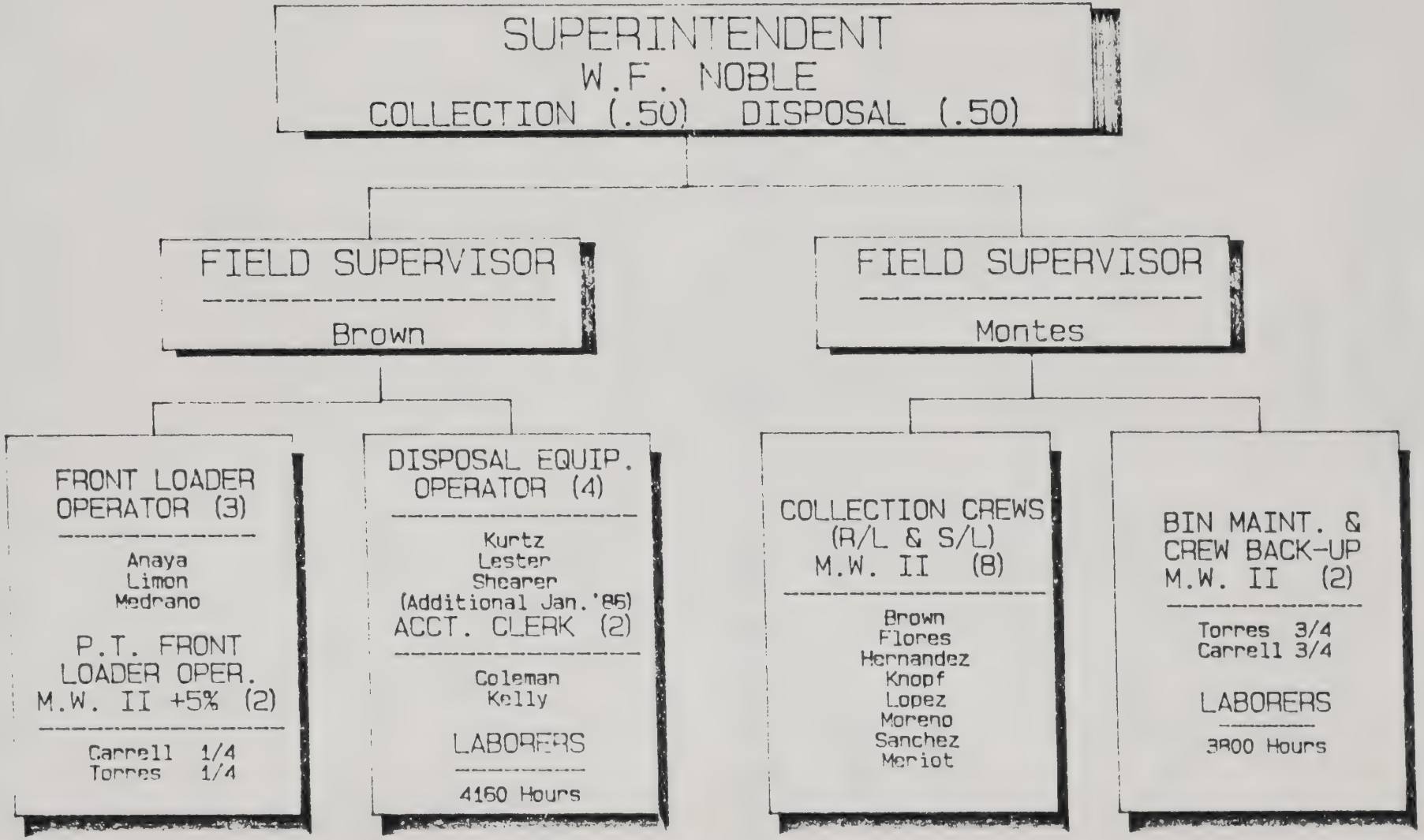


FIGURE 11

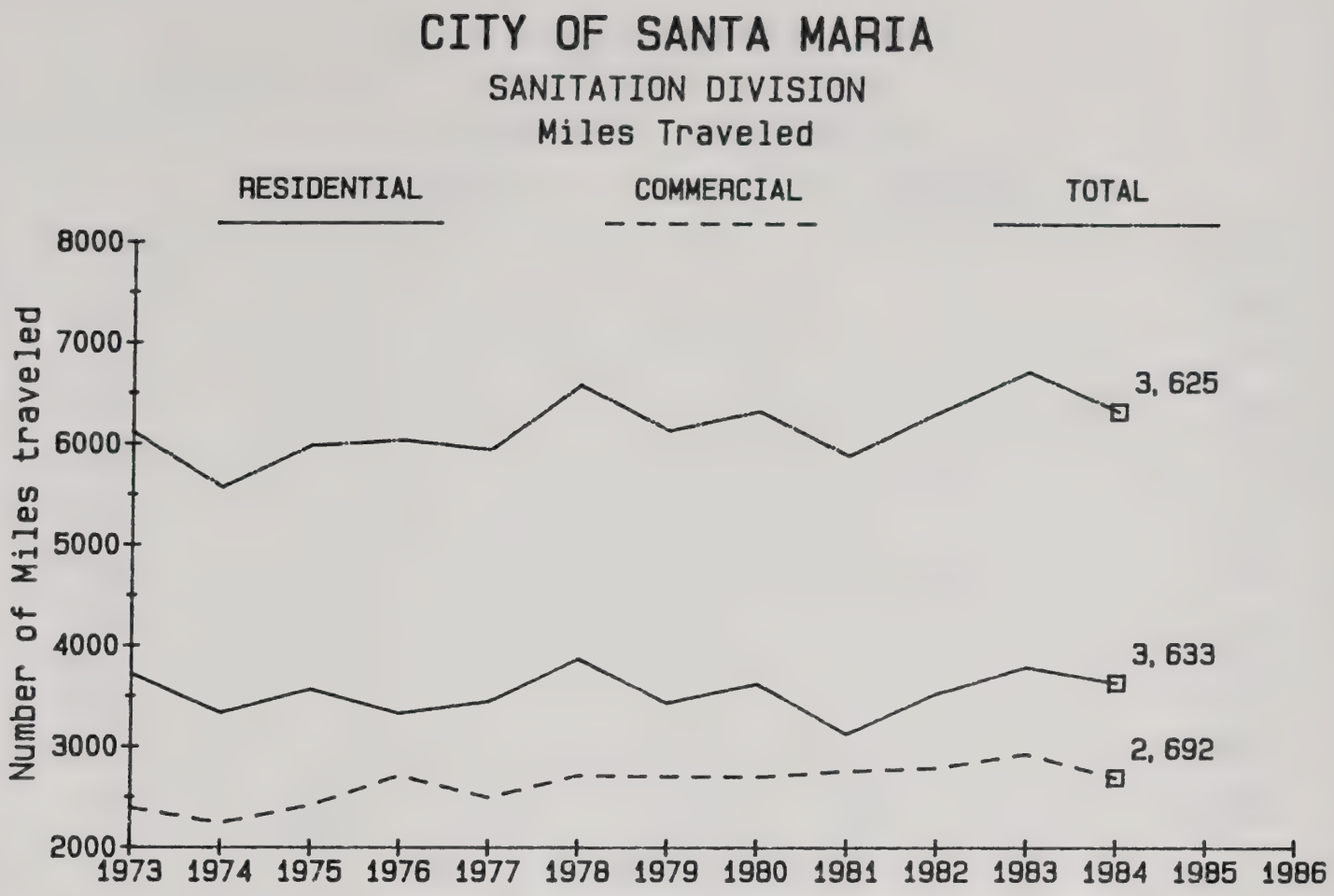


FIGURE 12

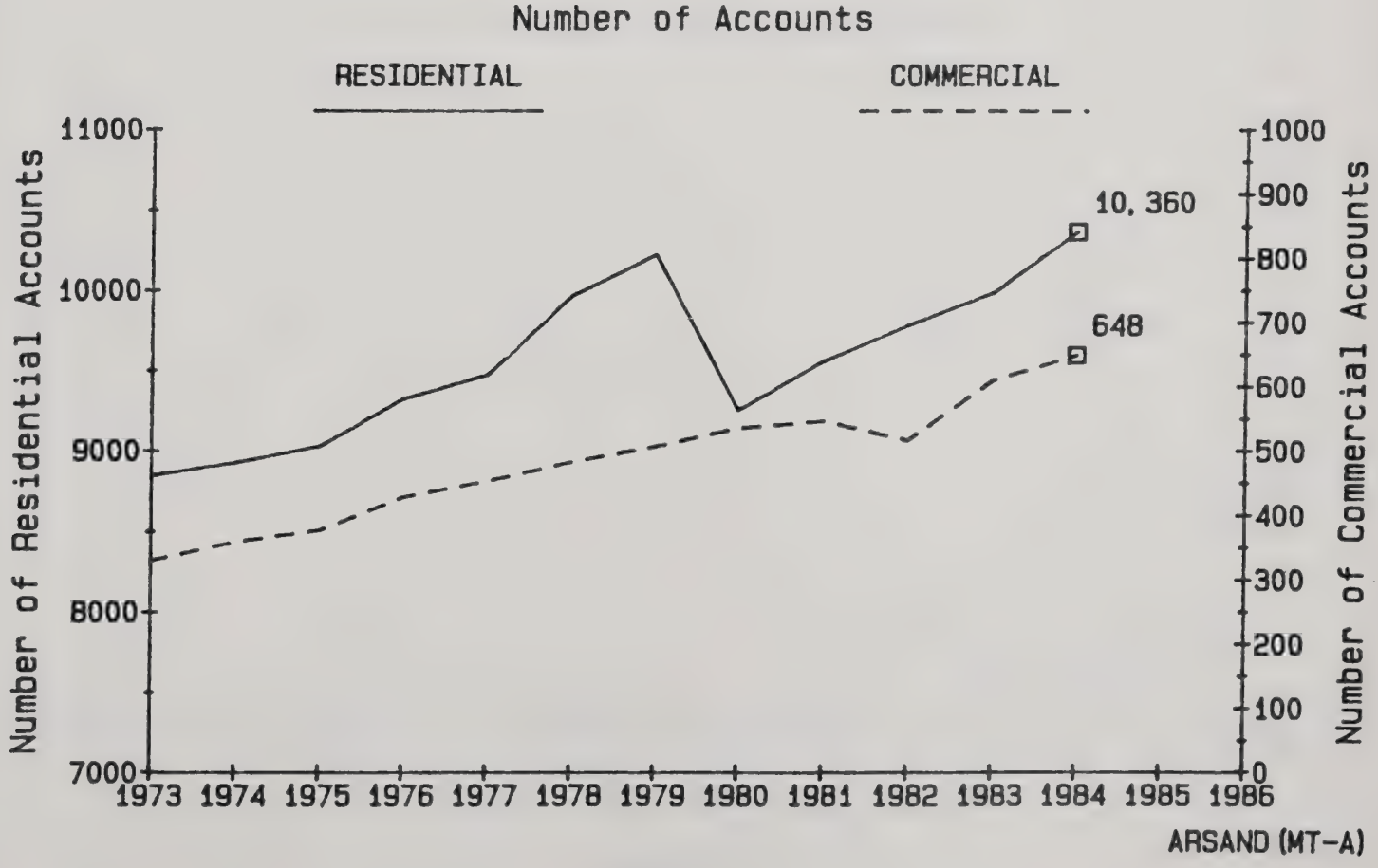


FIGURE 13

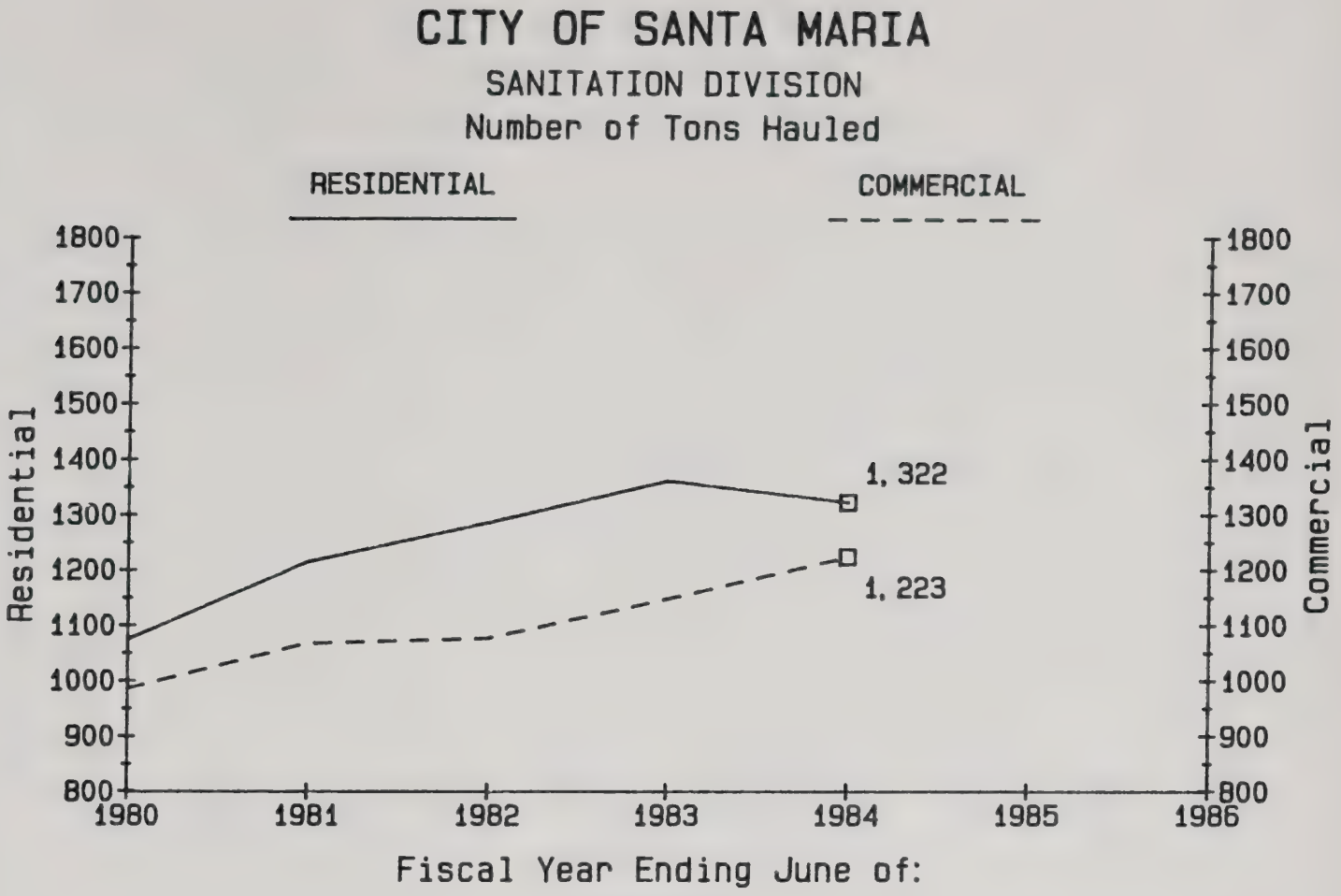


FIGURE 14

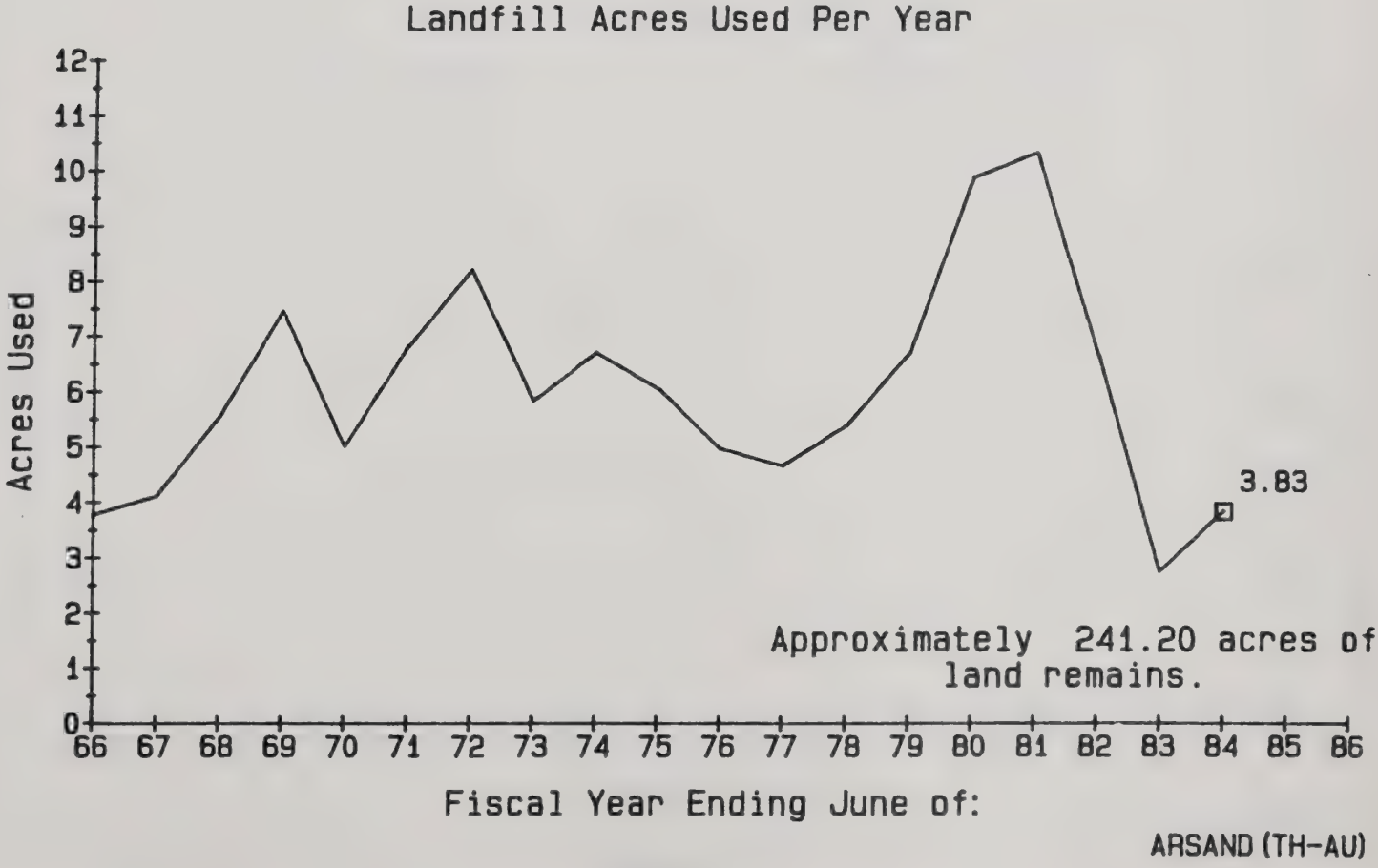


FIGURE 15

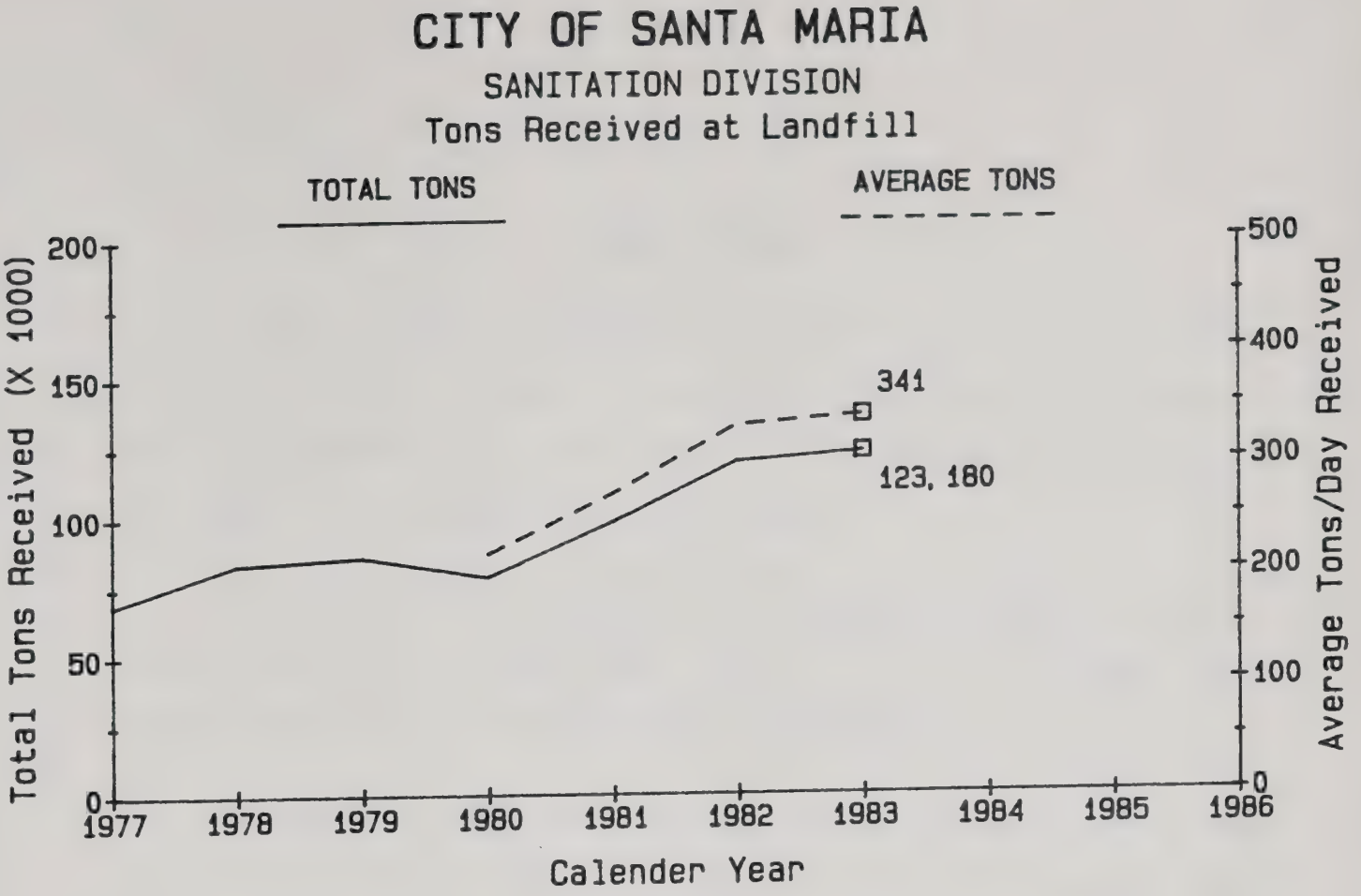


FIGURE 16

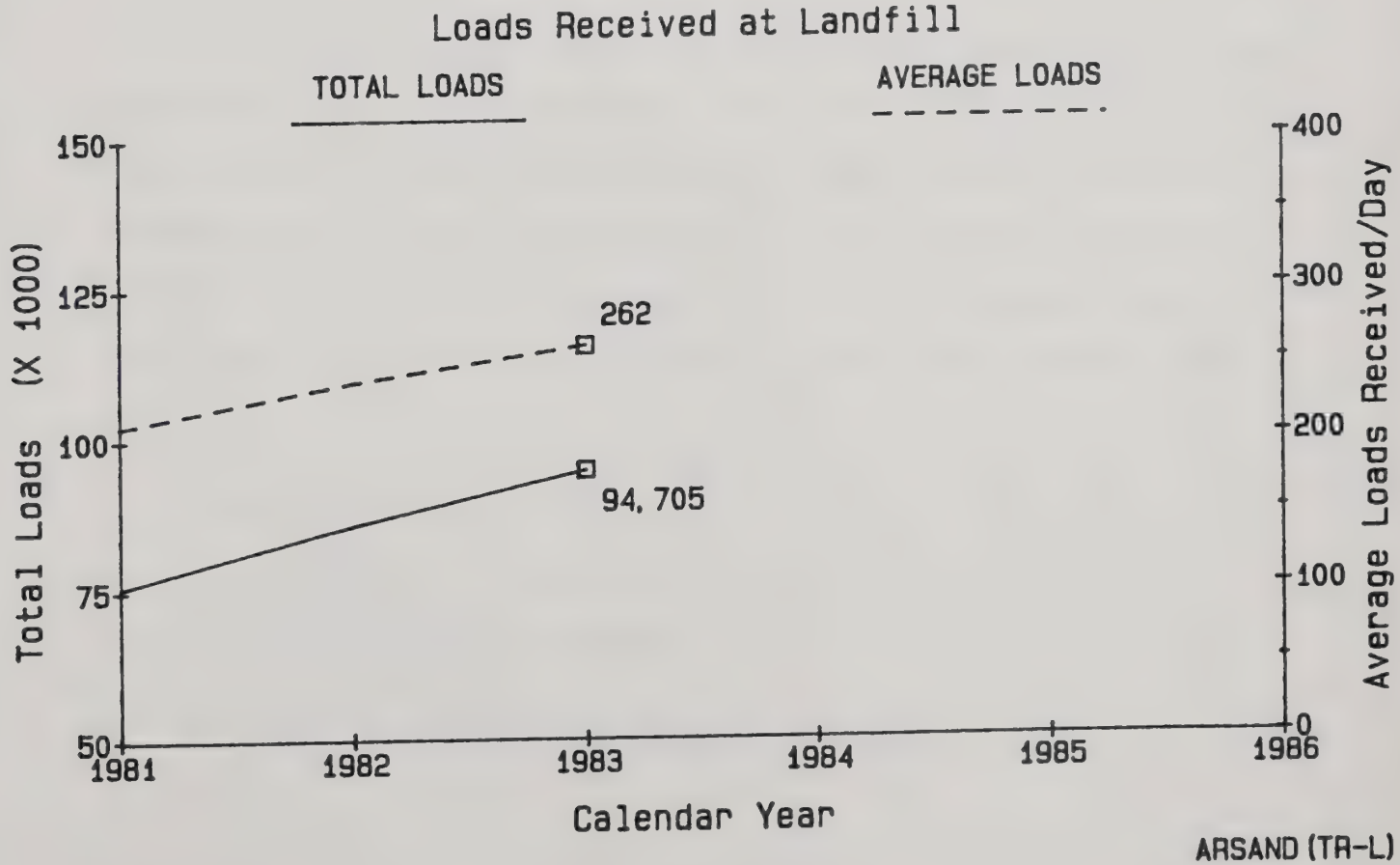


FIGURE 17

STREET DIVISION

The Street Division is responsible for preventative and regular maintenance of the City streets with appurtenant facilities. This includes emergency maintenance or repair caused by accidents, weather conditions, settlement or other unusual unexpected damage.

The Street Division is composed of 13 maintenance workers, 3 laborer IIIs, 2 electricians, 1 electrical supervisor, 1 street and sewer maintenance supervisor and 1 street and sewer superintendent.

The degree and type of maintenance for each street or portion thereof in the total City street system is determined by the Street Superintendent taking into consideration traffic requirements and monies available.

High on the priority list is proper scheduling and planning of routine preventative maintenance procedures in order that any inconvenience to the public is kept to a minimum. Every effort is made to speedily correct hazardous conditions, which interfere with the flow of traffic, vehicular or pedestrian. Safety for the public is our number one consideration. The major maintenance activities conducted by the Street Division are as follows:

1. Travelway Maintenance

    a. A/C Repair - Overlays - Chip Sealcoat
    b. Street Sweeping
    c. Concrete Improvement Repair
    d. Traffic Control
    e. Pavement Delineation
    f. Street Illumination and Electrical Maintenance

2. Wastewater Collection System Maintenance.

3. Drainage Maintenance

4. Weed Abatement

5. Stowell & SMTC and Parking District

1. TRAVELWAY MAINTENANCE

a. The preservation, upkeep and restoration of 151 miles (a 3% increase over last year) of flexible pavement is the maintenance responsibility of this division. Travelway maintenance program during fiscal year 1983-84 consisted of placing 1,211 tons of either SC/800 or 85/100 asphaltic concrete on City streets in need of repair. This activity involves the repair of pot holes, water ditches, sewer ditches and renovation of portions of streets in preparation for annual overlays and sealcoat program.

The annual major street maintenance program consisted of placing 3,592 tons of A/C on 428,768 sq. ft. of streets for a cost of $106,083 and placing 3,060/415 tons of chip/oil binder on 2,974,430 sq. ft. of streets for a cost of $148,093 and adjustment/replacement of survey monuments, lampholes, valve boxes and manholes for a cost of $7,810. The total program cost $261,986.

b. Street Sweeping: City streets were swept on a weekly schedule with the business area on a daily basis. The two motorized sweepers were operational approximately 458 sweeper days out of 520 sweeper days. The 62 days the sweepers were not operating were due to service repair, operator's illness, inclement weather, holidays and compensatory time off. The two

sweepers removed and hauled to the landfill 2,710 tons of material swept off the City streets, using 14 pickup brooms and 41 gutter brooms.

c. Concrete Improvement Repair: This activity involved the repair of concrete improvements (sidewalks, curbs and gutters) damaged by the tree roots on City-owned property. The three-man crew completed 101 work orders for a total of 10,870 sq. ft. Temporary repairs continue on hazardous sidewalk complaints and are made within a very short period of time, in most cases, the same day. Presently, this division has a backlog of approximately 364 known locations of tree root damaged concrete improvements.

d. Traffic Control: This program includes all work performed in signing as a traffic control device. Signs are placed on City streets for the purpose of warning, regulating or guiding traffic. The work may consist of the manufacture, purchase, assembly and installation of new signs; replacement of existing damaged signs and the repair, cleaning and painting of signs. Signs are replaced or repaired when they become defective due to age, weathering, vandalism, accidents or any other types of wear and tear. Following is a summary of this activity:

Type Sign	New or Reinstall Damaged	Reface Sign, Plate & Reinstall
Regulatory	110	80
Guide	69	183
Warning	72	47
Neighborhood Watch	27	

Also, 53 barricades were constructed and 87 repaired for use by division crews during their normal work activities.

e. Pavement Delineation: The pavement delineation program involved all work necessary to maintain and replace traffic directional street markings. Work included layout, removal of old stripes, painting of new or existing stripes and limited parking zones. This required the use of 2,460 gallons of traffic paint, 2.5 tons of beads, approximately 190 gallons of lacquer and paint thinner.

f. Street Illumination & Electrical Maintenance: Street illumination is a major responsibility of this division and consists of the upkeep of 3,234 street lights, an increase of 2.5% over fiscal year 1982-83, and, in addition, includes electrical service, as required, by all departments and their subordinate divisions for new machines; either changes in electrical circuits or electrical repairs.

During this period there were 96 mercury vapor lights converted to low pressure sodium lights by this division. Total energy savings, without the sacrifice of illumination, is approximately $2,470 annually. The conversion of street light illumination was completed May 1984, including State Highways 101 and 166.

2. WASTEWATER COLLECTION SYSTEM

This activity consisted of immediate response to 121 main line sewer stoppage complaints. This is approximately 1% less than 1982-83.

There was preventive wastewater collection system scheduled maintenance on 59,210 lin. ft., a 33% increase over last year. The only areas that received continuous preventive maintenance were known problem areas. There is a total of 117.8 miles of sewer line in the City's system, a 2% increase over last year.

3. DRAINAGE MAINTENANCE

During fiscal year 1983-84 8,447 ft. of underground drainage were installed bringing the total footage of our underground drainage system to 44,300 ft., an increase of 24% over last year. The underground drainage facilities now in existence has reduced the flooding of intersections on some of our major arterials and other streets. Since the system has been in existence, relatively little maintenance has been necessary. However, in the future the maintenance of the underground drainage system will increase. The present maintenance operations include flushing of 110 intersection culverts, grading and weed control of 10 major drainage ditches; this work occurs twice annually with a two-man crew and contract applications of chemical weed control to 33,930 sq. ft. at a cost of $272.60.

4. WEED ABATEMENT

The weed abatement program takes most of seven months to complete and is conducted in five phase:

I Mid-fiscal year for lot inspection
II Posting lots for chemical weed abatement
III Application of chemical weed control
IV Posting lots for weed abatement and debris removal, manually and/or with equipment
V Manual destruction of weeds and cleaning of lots. This phase will run into the following fiscal year.

All phases require the posting and compilation of cost records to assure proper billing for each lot; all of which is forwarded to the City Clerk for the filing of assessment against the property. The entire weed abatement program during fiscal year 1983-84 came to a total of 4,419,000 sq. ft. (an increase of 16% over last year) for a cost of $19,885.80.

5. STOWELL AND SANTA MARIA TOWN CENTERS & PARKING DISTRICT

The Stowell and Santa Maria Town Centers landscaping and parking area maintenance is performed by private contractors under the administration of the Street Division. Review for compliance with bid specifications and administration of expenditures in accordance with the contracts are the primary responsibilities. Performance standards are determined by periodic inspections and notifying the contractor of any deficiencies.

The Parking District consists of five (5) existing City-owned public parking lots as follows:

1) 100 Blk. West Cypress (mid-block/north side)
2) 100 Blk. West Church (mid-block/north side)
3) 200 Blk. West Church (mid-block/north side)
4) 200 Blk. West Chapel (southeast corner Chapel & Pine)
5) 200 Blk. East Main (north side)

Maintenance consists of painting parking spaces, sweeping, pavement repairs and street lights.

Figure 19 chart depicts man-hours required for various segments of the Street Division work.

CITY OF SANTA MARIA
DEPARTMENT OF PUBLIC WORKS
STREET DIVISION
EXISTING ORGANIZATION CHART

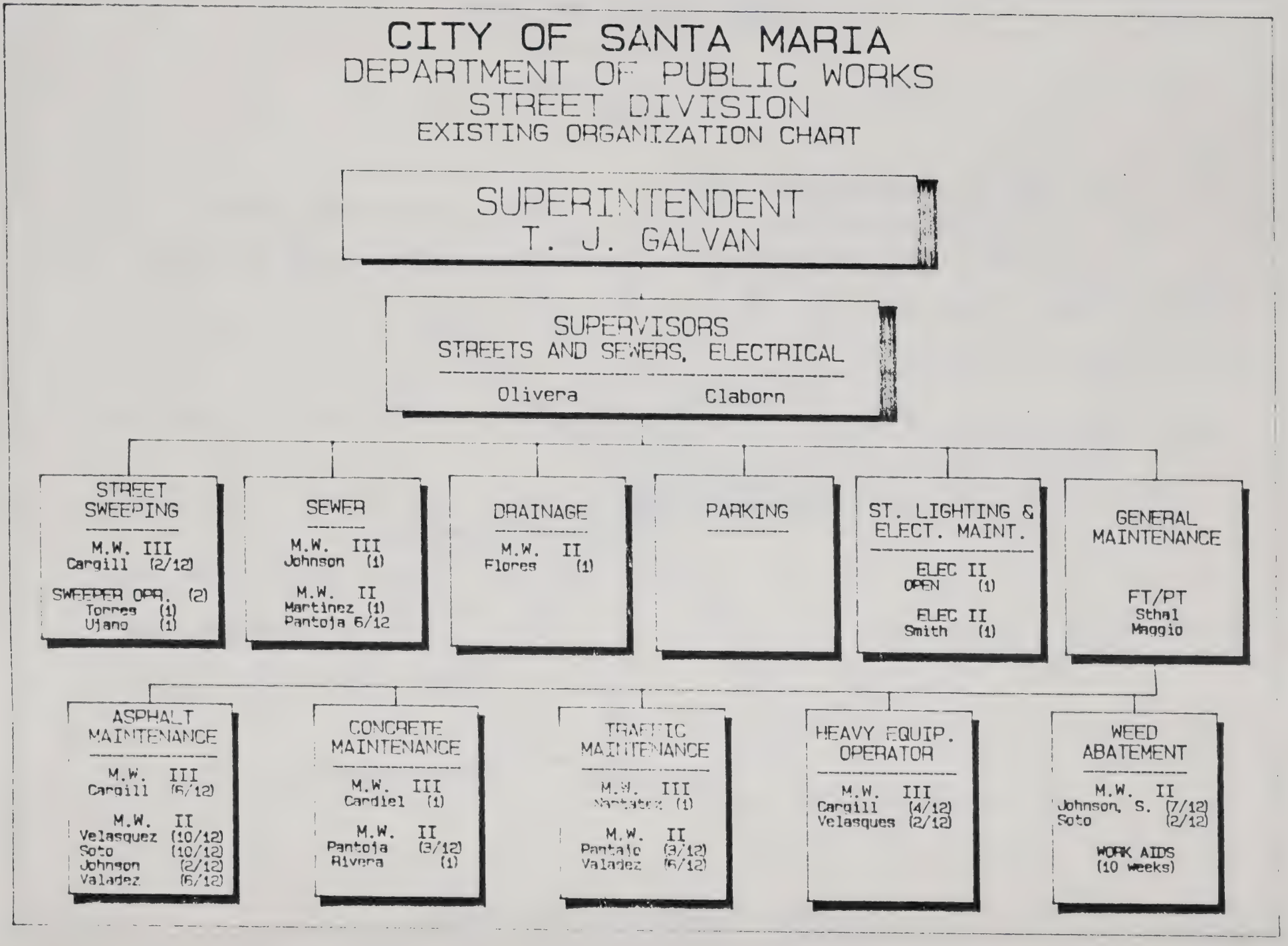
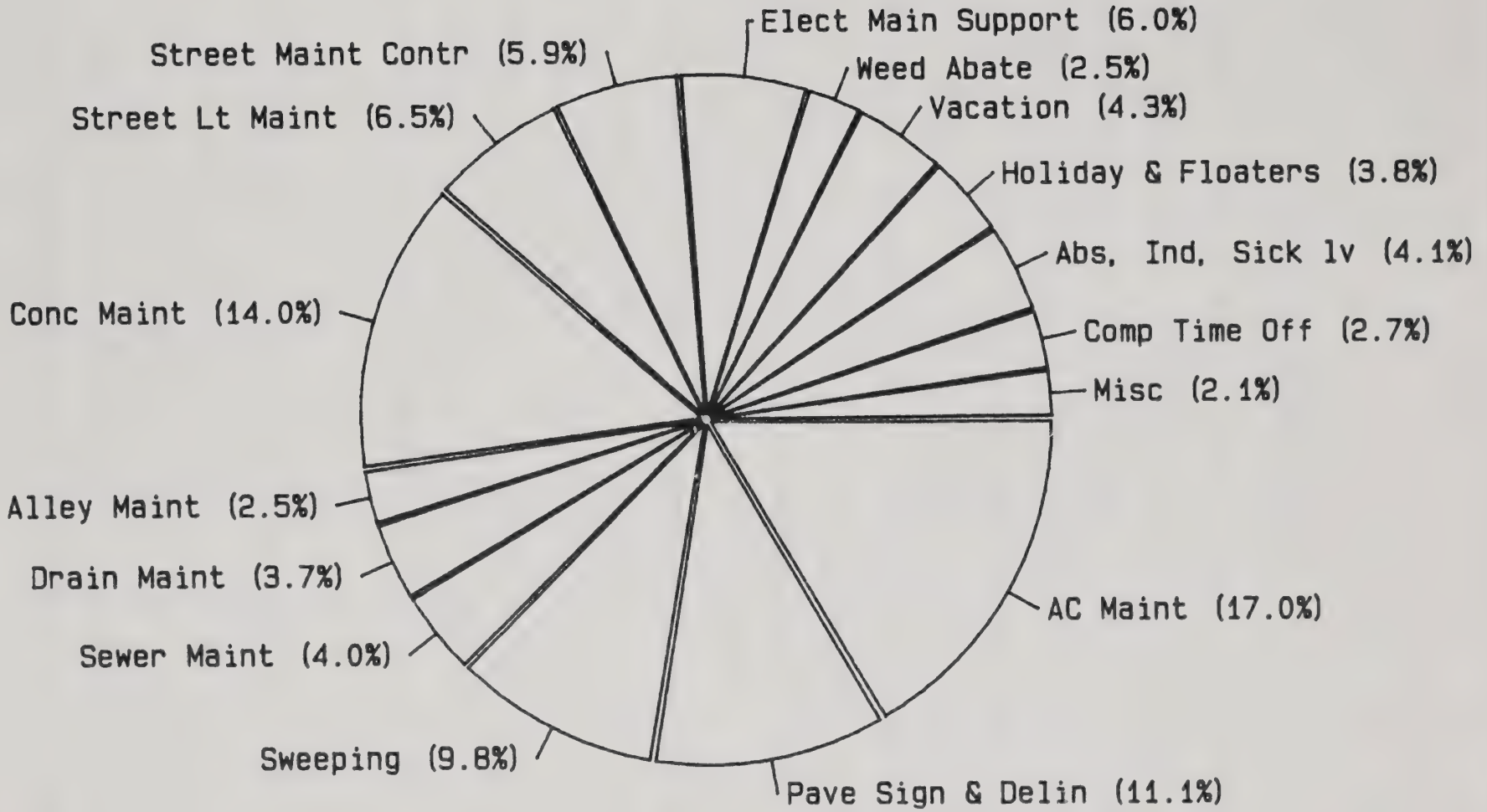


FIGURE 18

CITY OF SANTA MARIA

Street Division
Manhour Utilization
1983-84



TOTAL MANHOURS 1983-84: 39,093.0

ARSDIVMU

FIGURE 19

WASTEWATER TREATMENT PLANT

The Wastewater Treatment Plant is located on Black Road approximately 2.5 miles west of Santa Maria. Its purpose is to treat all domestic and industrial waste collected and conveyed by sewer system at a reasonable cost. The City of Santa Maria has treated and disposed of wastewater at the present site off Black Road since 1910. The treatment plant is designed to serve a population of approximately 54,000. This includes capacity to treat over 2 MGD of flow from the City's industries. The average daily capacity of 6.5 MGD on an annual basis should be sufficient until mid-1988. The treatment process removes 92% of the suspended solids (ss) and 90% of the biochemical oxygen demand (BOD) contained in the wastewater. The land disposal system removes an additional percentage of these pollutants and a portion of the nutrients normally found in wastewater including nitrogen and phosphorus. The plant effluent is suitable for irrigation of permanent non-dairy pasture land and fodder crops. Digested sludge averaged 53% volatile reduction. This sludge is dried in earthen beds and can be used as a soil conditioner for crops so specified in the plant's discharge permit.

The plant is maintained and operated by one Superintendent, one Plant Supervisor, one Laboratory Technician, one Source Control Inspector and five Operators. John Stevens received his Grade I state certification in October 1983, and Tom LaMoreaux passed his Grade II certification in April 1984; only a Grade I is required by the state. All operators are currently

certified in compliance with State Bill AB1961. The Laboratory Technician is certified by the California Water Pollution Control Association (CWPCA).

Plant tours by students and other interested groups continued to be given on request. A total of 102 people toured the plant this fiscal year. Visitors are shown and told about the various components of wastewater treatment used at the plant. Generally, the tours are concluded with a visit to the laboratory where a question and answer session is held. Bird watching is a regular event at the Wastewater Treatment Plant ponds. Bird watchers from all over California and one visitor from Florida signed in this past year.

The following tests were performed in the wastewater treatment plant laboratory:

Inf.	Eff.	
0	31	Dissolved oxygen
17	52	Biochemical oxygen demand
17	52	Total non-filterable residue
0	47	Grease and oil
348	351	Settleable solids
349	351	pH
0	352	Electrical conductivity
0	11	Boron
0	4	Chloride ion concentration
0	3	Total phosphorous
0	4	Sulfate ion concentration
0	4	Total kjeldahl
0	3	Nitrogen NO_3
45	34	Sludge samples for percent solids
48	35	Sludge volatile acid and alkalinity
2	12	Total filterable residue
44	31	Percent volatile solids

Certain tests required by the State Water Quality Board were beyond the scope of the plant laboratory. For this reason, "Fruit Growers Laboratory" performed the tests under contract for the annual analysis (heavy metals, MBAS, phenols, polychlorinated byphenyls, and total chlorinated

hydrocarbons). The results of the above tests do aid in plant operation and, in some cases, reflect plant efficiency or indicate where more source control is needed. In addition to the above, BOD and Total Non-Filterable Residue tests were performed on industrial waste discharges to the sewer system as necessary for wastewater strength determinations and charges as required under the wastewater ordinance.

Industrial Source Control - 1983-84

The Industrial Source Control unit has increased many activities over the past fiscal year. Permitting of the City's commercial/industrial dischargers increased by 190% during this period. In addition, monitoring of influent and digested sludge was initiated. Other increases included Laboratory Technican relief, which totaled 15% of the Inspector's working hours this fiscal year. Meter readings, billings and billing sampling also increased due to Santa Maria Chili and Mission Linen being reclassified to Heavy-User status. Additionally, Santa Barbara Research Center and Grossman's tied into the sewer initiating billing and meter readings. Sampling of SBRC was undertaken, also, due to the Federal Categorical Standards applicable to their processes. Source Control is now reading and calculating billings for 18 businesses/industries.

The Class IV Heavy Users now total five industries with a possible expansion to eight in the near future.

Class IV	Possible Future Class IV
Simplot Foods	Crest Car Wash
Ramsey Laboratories	Santa Barbara Research Center
Los Vineros Winery	Pentachem Company
Santa Maria Chili	
Mission Linen Supply	

Many of the Heavy-Users had been found to have difficulty meeting the City Sewer Ordinance limitations for wastewater discharge. With the exception of Simplot Foods (formerly Dalgety Foods), the entire Class IV User category was placed under compliance schedules or requested to make adjustments to existing pretreatment systems in order to reduce pollutant loadings. To date, only Santa Maria Chili has effectively reduced pollutants to meet the City limitations. Los Vineros Winery, Mission Linen Supply and Ramsey Labs have yet to complete adequate control measures.

Pentachem Company was also required to install flow and pH monitoring recorders on their discharge lines. This was necessary due to their intermittent discharges of highly concentrated wastes.

The total number of permits issued during the year was 84. This brings the total permitted businesses to 122. The Source Control data base has been increased by the submission of 63 new permit applications. These applications are utilized to determine proper classification of industries, pollutant loading potentials and emergency contact references. Thirty-three of these new applicants were permitted during the fiscal year.

The new program for monitoring sludge and the influent at the Wastewater Treatment Plant was initiated by the Inspector to meet Federal and State reporting requirements. Heavy metals analysis made up the majority of this monitoring. Toxic priority pollutants have not been screened, however, due to the high cost involved. Screening for these pollutants, although highly recommended, is not required by the governmental agencies at this time.

Sixty-six monitoring activities (sampling and analysis) were undertaken by Source Control during this period. This included 42 for the Class IV industries alone, mainly for the purpose of billing. An additional 15 samples were collected and monitored for other industries. The remaining 9 monitoring activities were performed on the WWTP to discern current levels of pollutants in the system.

Inspections of grease, sand and oil traps continued throughout the year. The City's grease abatement program is well under way with a total of 62% of the restaurants on the City Sewer system having submitted to the program. Of 89 restaurants, 41 are currently permitted; 29 with completed grease trap installation. An additional 15 are under compliance schedules to complete installations by the end of 1984. Eleven more restaurants have been retrofitted for grease traps with compliance dates set in mid-1985. Thirty-four restaurants remain unresponsive to requests to submit the necessary data needed for retrofitting traps. The total inspections performed for all activities (permitting, traps, complaints, emergency/spill, miscellaneous) totaled 171.

It should be noted that 20 to 25% of the Inspector's time was utilized writing reports for the various government agencies. With the addition of the Wastewater computer system, it is expected that at least half of this time will be utilized for other Source Control duties during the fiscal year 1984-85.

Capital improvement this fiscal year included a 1 1/2-inch water pump, 6-inch trash pump for cleaning digesters, three work benches, recording pH meter for 24-hour monitoring, walkie-talkie for Source Inspector, computer, printer and software, ten(10) manhole infiltration protectors, aluminum

hand rails throughout the plant and aluminum stairway for north end of thickener, and various hand tools. The only major maintenance operation this fiscal year was the repair of the sludge beds which included repairing banks and leveling bottoms, caused by 1982-83 floods. Other repairs this fiscal year included repairing of #1 Supernatant pit also caused by 1982-83 flooding, replacing two sludge grinders and repairing two grinders, replacing bearings and belts on various pumps. A drainage ditch was installed to carry rain water on the south end of plant (from Black Road) to a point of discharge near the south side of the ponds. Preventive maintenance is an on-going program.

Revenues collected for vacuum truck and septic tank dumpings at the treatment plant amounted to $78,520. The increase over last year is due to a raise in dumping rates. The year's total cost for plant operation was $547,049 which does not include $135,650 for General Administration Services. During the fiscal year 1983-84, 1,526,000,000 gallons (4.18 MGD, which is approximately the same flow as last year) of wastewater was treated at a maintenance and operations cost of $358 per million gallon (not including general administration).

The flow meter was malfunctioning and it took Robert Shaw Company four months to repair it so the previous fiscal year flows were used in this report. Therefore, the above-mentioned average day flow of 4.18 MGD was arrived at by using some estimation. The cost per million gallons is 3% higher because of inflation. Figure 21 shows the comparative measurements of flow and costs of operation over the past ten years. It should be pointed out that the cost of operation has dramatically increased since mid

1981, when the most recent plant expansion and modification started operation. Likewise, flows have shown a downward trend due to voluntary water conservation, reliability of Robert Shaw flow meter resulting in flow estimation and decreased flows from industry. Additionally, the cost figures do not reflect various capital outlay items during the year or the annual amount reserved for fixed asset replacement.

CITY OF SANTA MARIA
DEPARTMENT OF PUBLIC WORKS
WASTEWATER TREATMENT DIVISION
EXISTING ORGANIZATION CHART

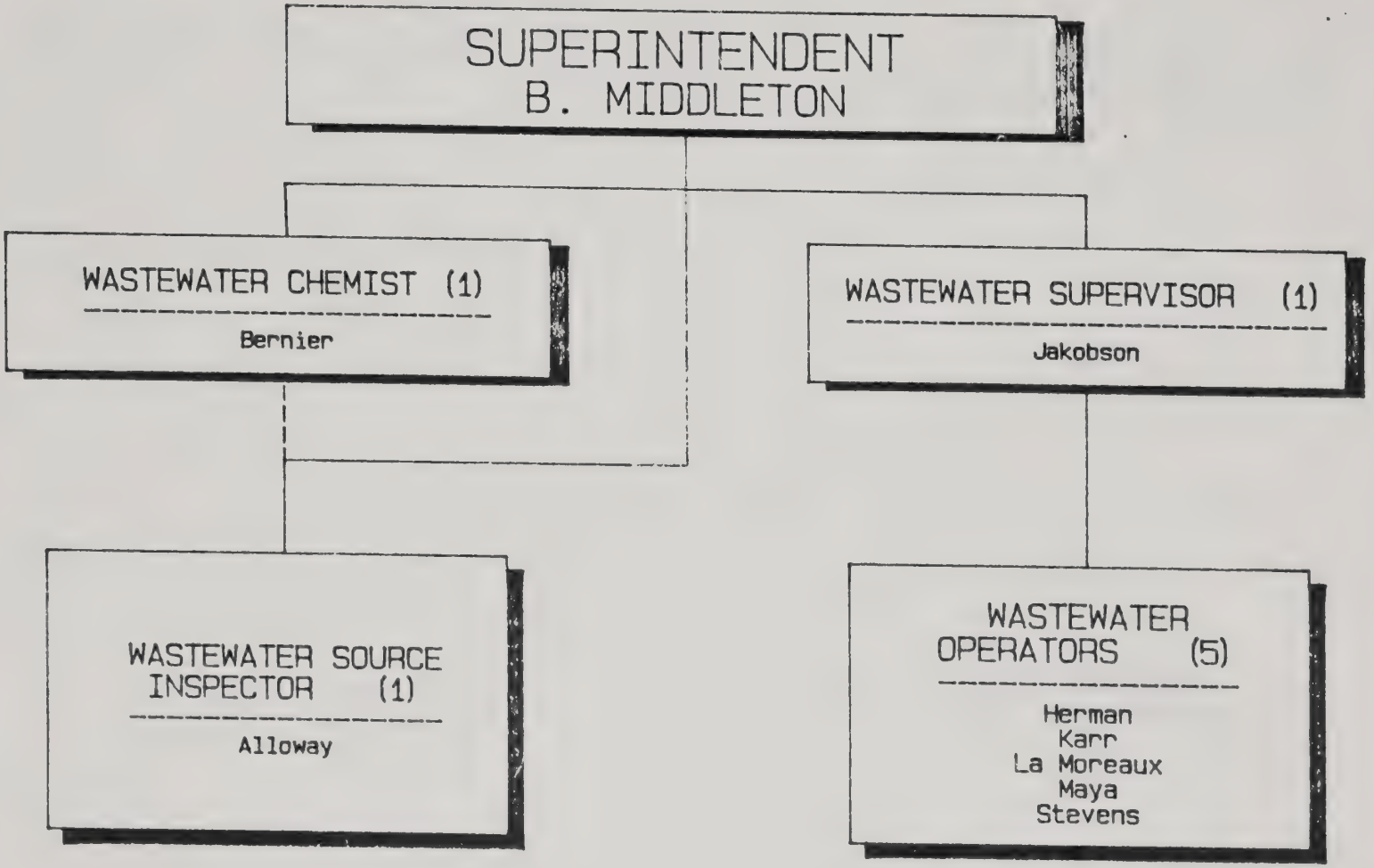


FIGURE 20

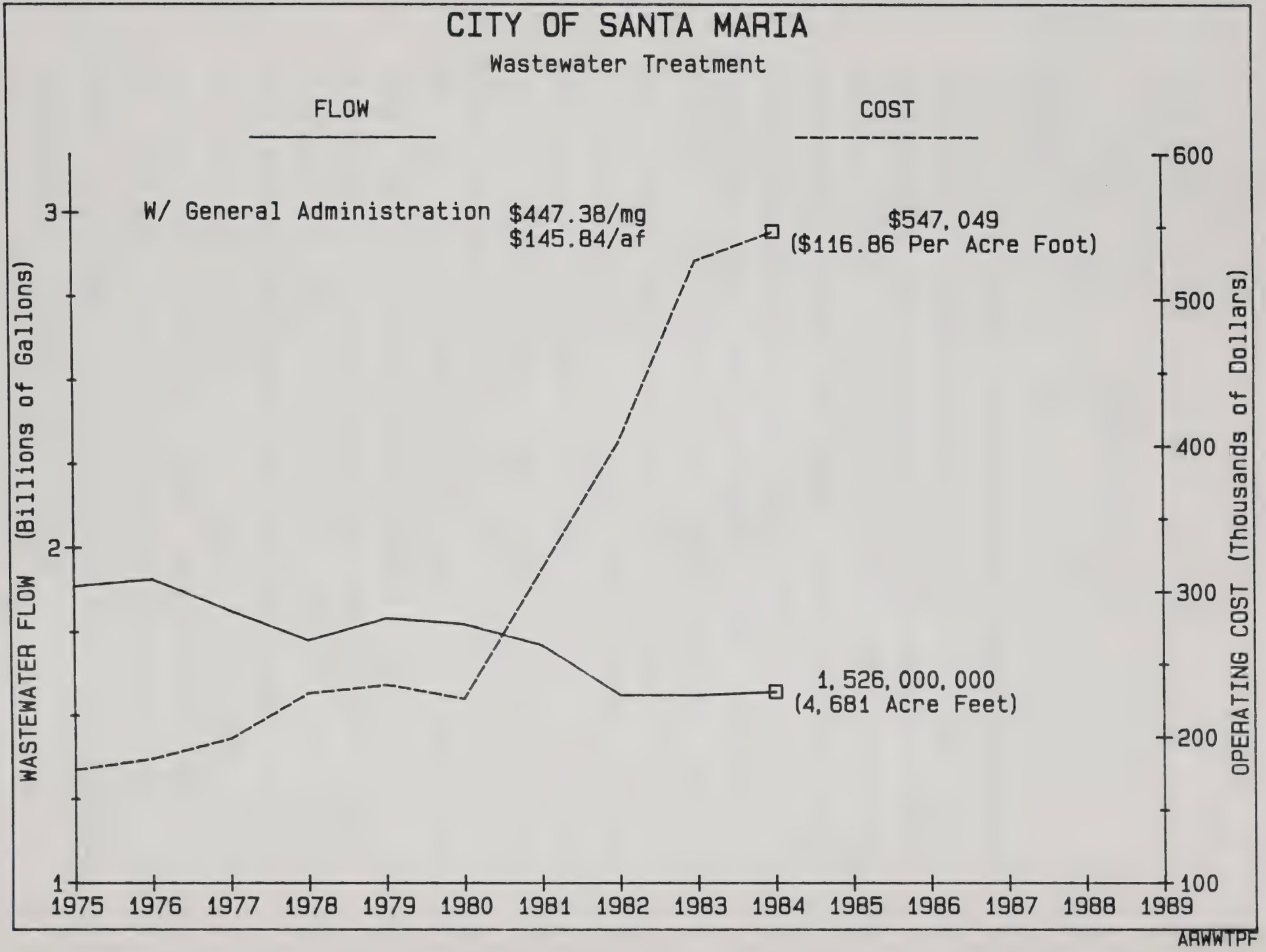

CITY OF SANTA MARIA
Wastewater Treatment
FLOW
COST
W/ General Administration $447.38/mg
$145.84/af
$547,049
($116.86 Per Acre Foot)
1,526,000,000
(4,681 Acre Feet)
WASTEWATER FLOW (Billions of Gallons)
OPERATING COST (Thousands of Dollars)
3
2
1
600
500
400
300
200
100
1975
1976
1977
1978
1979
1980
1981
1982
1983
1984
1985
1986
1987
1988
1989
ARWWTPF

FIGURE 21

WATER DIVISION

Production

Sixty water samples per month were collected throughout the system by the Water Division personnel for bacteria analysis in compliance with the State Health standards. The analysis in all cases substantiated that the water system is clean. Also as required by State Health standards, tests were performed by the City Water Division on water samples for general minerals-heavy metals, radioactivity, turbidity, THM, color, odor and temperature, all were well within the standards. Repairs were made on approximately ten well chlorinators which included six rebuilt chlorinator pumps. Technical maintenance was carried out on the automatic well control and pressure control system. The system includes telemetering and electronic components at a headquarters main control panel, a failure alarm system, a sub-panel and several remote stations. The water production capability is comprised of 10 water wells and are located within the Santa Maria Public Airport boundaries, with the exception of two, close to the center of the City. The wells furnished an average 9.0 million gallons per day to satisfy the customers' demands. The two ground level and two elevated reservoirs, used in conjunction with the wells, have a total of 15.5 million gallons storage capacity. The 6 and 7-million gallon reservoirs have increased the "elevated" reservoir capacity to 13.0 million gallons. The combined well production and reservoir capacity must also supply the peak demands of 16 million gallons per day and allow at all times for a reserve fire flow supply. This all amounts to an annual total consumption of approximately 3.2 billion gallons (10,123 AF).

Distribution

The water distribution section is responsible for transmitting water from the well source to the people. This service is provided to over 12,737 accounts (an increase of 5% over last year) through a water line system which is approximately 218 miles long (an increase of 1% over last year). This section also provides the meter reading function, water billing and collection services, installation of service lines, meter maintenance and maintains all water distribution facilities in their entirety. The income from all water sold this fiscal year is shown on the following graph. Totals of various water division functions during the fiscal year 1983-84 are listed as follows:

	Function	No. Completed
1.	Water meter readings	73,158
2.	Water service turn-ons	2,197
3.	Water service turn-offs	2,281
4.	Collection (delinquent bills)	1,360
5.	Water meter re-reads	2,479
6.	Miscellaneous service calls	876
7.	New service line and taps installed	594
8.	Water meters installed	911
9.	Water meters removed	631
10.	Water meters repaired in shop	369
11.	Water meters repaired in field	1,859
12.	Renovation of water meter locations	1,396
13.	Ball valves installed	1,181
14.	Water meter vaults installed and replaced	574
15.	Water line leaks repaired	142
16.	Flushing dead-end stations	105
17.	Flushing fire hydrants	98
18.	Fire hydrant repairs, painting and maintenance	169
19.	Main line gate valves operated	830

Water Quality

On-going monitoring and testing of the City's water system is to assure that the water is of good quality and within the allowable limits of the State Department of Public Health.

1. Chlorination of the source water is applied at each well which carries the chlorine throughout the system and thus a 0.1 p.p.m. residual of free chlorine is maintained in the extremities of the distribution system. This minimum amount of free chlorine is a positive indicator that any pathogenic material that may have entered the system will be killed off by the chlorine exposure.

2. Bacteriological monitoring is accomplished by collecting a minimum of 14 water samples weekly at various locations in the distribution system and tested in the County Health Department Laboratory in Santa Barbara. Again this year, the excellent and continuing bacteriological-free record of the City water system can be attributed to chlorination, flushing of dead-end lines and fire hydrants, and an effective cross connection control program.

3. Ground water source sampling is made on an annual basis for a chemical analysis of each well. These tests show any changes in the water quality relating to mineral content. The average hardness content this past year was 454.6 p.p.m. or 26.6 grains per gallon.

4. Heavy metal analysis of each well source is tested every three years to ascertain that the water is less than the maximum allowed by the

United States Public Health Standards and the State of California Department of Public Health requirements for drinking water. Consistently, the water has been within these limits.

The CROSS CONNECTION CONTROL PROGRAM is primarily a procedure to protect the public water supply from potential sources of contamination. This refers to any connection that could permit toxic or pathogenic material, or materials objectionable to taste or odor, from entering the public water system.

During the past year the following quantities of "backflow prevention" items of work were performed.

Item	No. Completed
Installed	35
Replaced	7
Repaired	1
Tested	0
Installation Inspection	33
Survey Inspection	121
Informational Services	89
Conferences	220
Correspondence Reports	441

Figure 23 is a plot of annual revenue, costs and amount of water production. The cost per acre foot reflects costs of operation and maintenance of the system, overhead, plus repair or replacement of deficiencies in the existing system. No new capital outlay costs or bond service is included in the cost per acre foot.

Capital improvements completed or contracts awarded in conjunction with projects for 1983-84 fiscal year, consisted of 10 major replacement projects as follows plus completion of Phase III East Transmission Main on Donovan Road and an inter-tie with the California Cities Water Company.

INSTALLATION OF WATER LINES

1.	Donovan Road; Broadway to Suey Road	$395,468
2.	California Blvd.; Inter-tie @ N/T.L. of Foxenwoods	32,578
3.	Palm Court: between Broadway and Speed Street	37,991
4.	Speed Street: Stowell Road to Park Avenue	56,724
5.	Morrison Avenue: McClelland Street to Haslam Drive	18,025
6.	Haslam Drive: Park Street to end of Cul-de-Sac	66,650
7.	McClelland Street: Alley N/O Camino Colegio to Park	27,325
8.	Miller Street: Roble Street to Artic Avenue	131,188
9.	Park Street: Alley E/O McClelland to Miller	22,926
10.	Las Flores Way: Speed Street to Miller Street	11,397
11.	Mariposa Way: Speed Street to Miller Street	14,352
12.	Broadway: Palm Court to Stowell Road	35,447
		$ 850,071

The continuation of the present level of service to the public during the budget year of 1983-84 caused the purchase of new water meters at a cost of $71,620.

CITY OF SANTA MARIA
DEPARTMENT OF PUBLIC WORKS
WATER DIVISION
EXISTING ORGANIZATION CHART

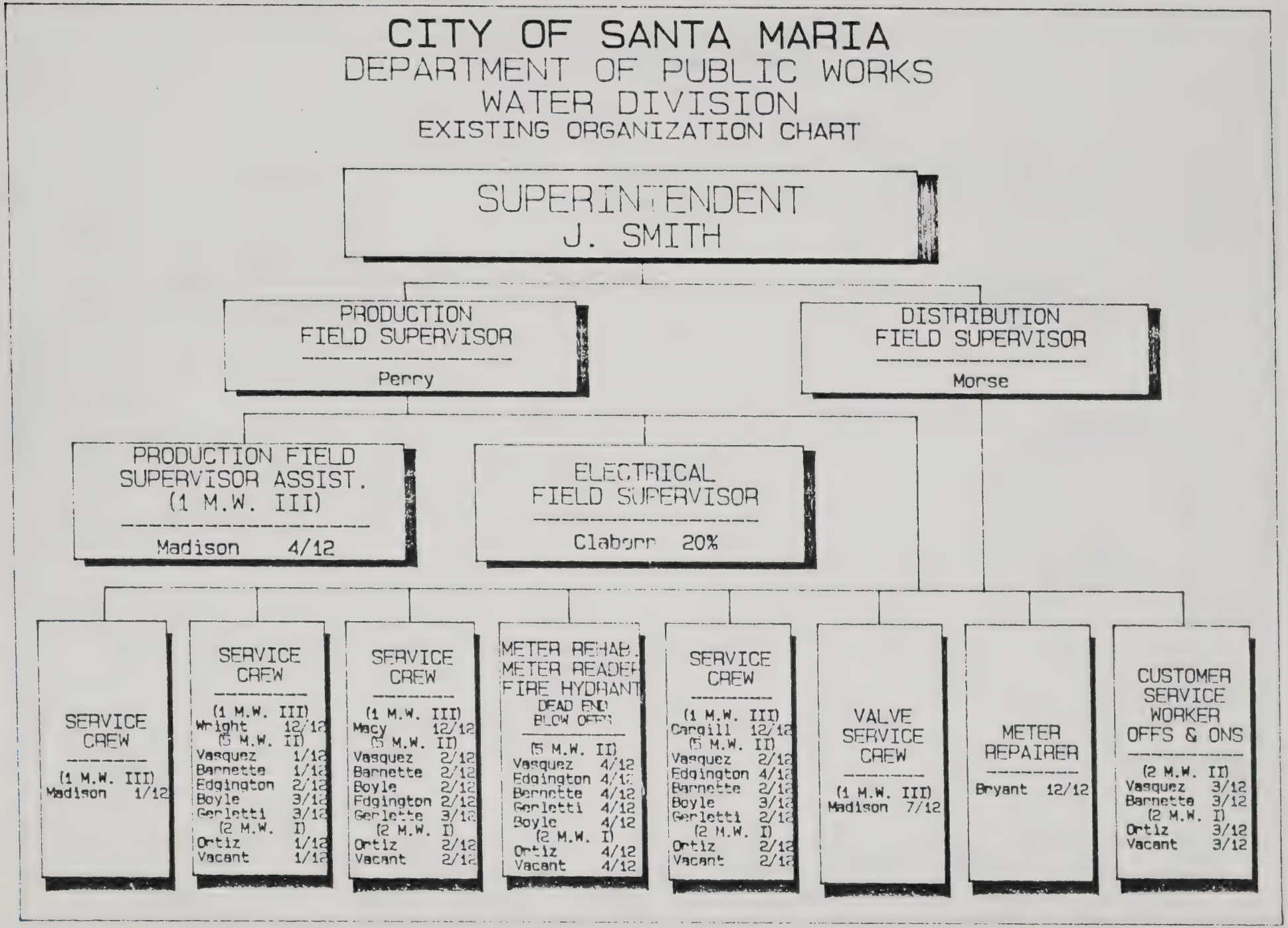


FIGURE 22

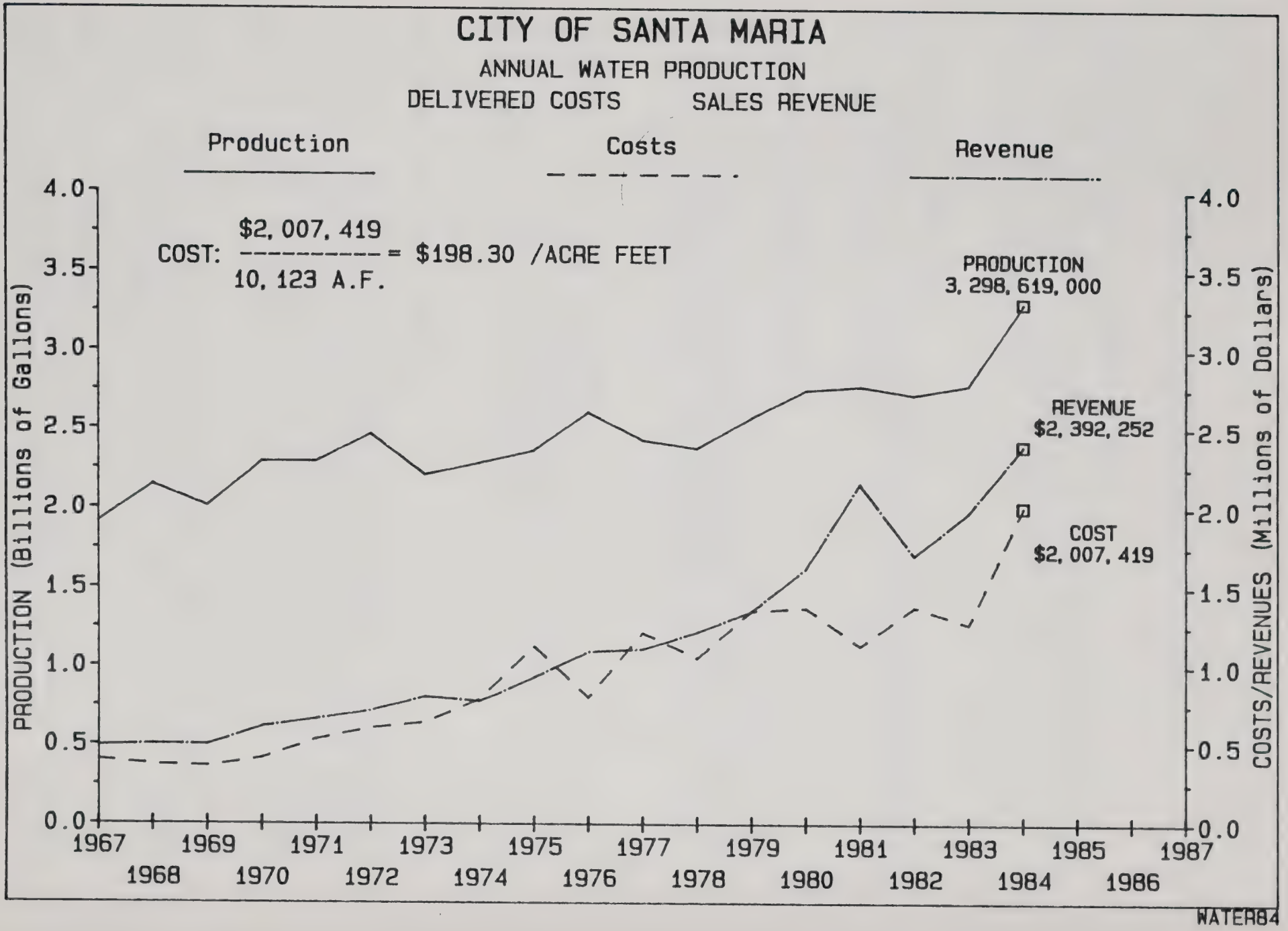

CITY OF SANTA MARIA
ANNUAL WATER PRODUCTION
DELIVERED COSTS SALES REVENUE
Production
Costs
Revenue
COST: $2,007,419 / 10,123 A.F. = $198.30 /ACRE FEET
PRODUCTION 3,298,619,000
REVENUE $2,392,252
COST $2,007,419
PRODUCTION (Billions of Gallons)
COSTS/REVENUES (Millions of Dollars)
4.0
3.5
3.0
2.5
2.0
1.5
1.0
0.5
0.0
1967
1968
1969
1970
1971
1972
1973
1974
1975
1976
1977
1978
1979
1980
1981
1982
1983
1984
1985
1986
1987
WATER84

FIGURE 23

ENGINEERING, OPERATIONS & ADMINISTRATIVE STUDIES

Standard Specifications & Standard Drawings

The standard specifications and drawings are available through this office and have been updated and revised through this year. These specifications and drawings indicate typical approved methods and materials for all types of Public Works construction.

Microfilm & Indexing System

On a continuing basis, all drawings, maps, specifications and photographs produced during the year are microfilmed, mounted on aperture cards and filed with all other documents and records.

Four Year Capital Improvement Program

Along with each of the City departments, the Public Works Department developed recommendations for capital improvements deemed desirable over the next four years. This information, after coordination with other departments and comparison with our financing capabilities by the Administrator's office, resulted in the separate published capital improvement program.

Engineering Division Forms and Checklists

The Engineering Division has developed standardized forms to aid in the consideration and evaluation of subdivision maps and public improvement drawings. These standardized forms are evaluated and revised on a continuing basis throughout the year.

Santa Maria Area Transit (SMAT)

During the fiscal year, the Area Planning Council completed SMAT's **Short Range Transit Plan 1985-89.** This plan, among other documents, is required in the City's application for operating and capital assistance funds from the Urban Mass Transportation Administration. Using the previous SRTP, the City received $160,000 in operating assistance and will receive approximately $150,000 to assist in purchasing five new mini buses, pedestrian shelters, and a micro-computer.

With the delivery of the new mini-buses, the service on Route #1 will be expanded by reducing the headway from one hour to one-half hour. In the near future, it is our intent to continue improving service by the various methods outlined in the Short Range Transit Plan.

North Broadway Traffic Study

The Traffic Committee's on-going study from Fesler to Donovan to reduce the high accident history had no activity during the last fiscal year. There is,

however, a "Route 135 Corridor Study" now underway by the Area Planning Council which will serve as a planning tool for future improvements. This study will include the past work by the city and hopefully proceed with improving North Broadway.

Westside Redevelopment

Phase I of the Westside Redevelopment was a program to revitalize the four-block area bounded by Pine, Chapel, Broadway and Church Streets. Property was acquired by the Redevelopment Agency and Public Works has assisted in the design and provided construction contract administration for the completion of new parking lots at Pine and Chapel and in the 100 and 200 blocks of West Church Street.

Phase II covers a four-block area bounded by Pine, Church, Broadway and Cook Streets and is planned to be a new shopping mall (Central City Square) with two major department stores and connected to the existing Santa Maria Town Center by a bridge across Broadway. The bridge, as currently envisioned, would contain retail space as well as providing vehicular and pedestrian access between the shopping centers.

The city has recently requested proposals from various architectural firms to provide conceptual plans for the Phase II project, with a selection made by City Council. An update to the Economic Study was also authorized. Property acquisition is currently in progress by the Redevelopment Agency, and it is anticipated that construction could begin in early 1986.

Public Works will be involved in the administration of the contracts for the building demolition and the construction of the public improvements as well as assisting the consultants in all of the required studies and designs.

Sewer Basin Study

In 1982-83 the city contracted with John Carollo Engineers to analyze the McCoy, Inger, and Enos sewer basins. The work consists of estimating the ultimate flow in each section of sewer based on the present land use designation for areas that would reasonably be served in the particular basin. The physical data (size, slope, etc.) on each reach was compiled and along with the estimated flows is entered into a computer using the McAuto Sewer Program. The print out tabulates all of the input information and provides the capacity of the sewer line and the flow as a percent of the capacity of the particular reach. At this point, system deficiencies can be identified and the size and routing of relief lines can be planned.

Any changes in the parameters can be easily input into the computer and a new printout produced without the lengthy calculations required without the computer.

In 1984-85 the study will be expanded to include the remaining basins in the system and will also be modified to run on the department's HP150 personal computer. This will save the computer run time at McAuto and will permit a prompt evaluation of proposed changes to the system.

Traffic and Circulation Studies

There were numerous major and minor studies initiated by the city or required by private developments. Of particular significance was the city's grant from the California Energy Commission to improve the signal timing at 27 intersections. Although timing modifications are still underway, the initial "before" and "after" study indicated a significant reduction in fuel savings and delay. With the assistance of Caltrans, this will be an on-going project to reduce delays and congestion on our major streets.

Another important study was the Janss circulation study which included the area bounded by Stowell, Miller, Dal Porto and Broadway. The study included four major developments which recommended, among other things, traffic signals at Enos/Miller, allowing left turns only from Miller at Battles and from Broadway at Battles.

A subsequent study to evaluate a signal at Broadway/Battles and to locate the post office site on Battles rather than on Enos developed different recommendations. Based on a new timing plan for Broadway, it was now considered feasible to install signals at Battles/Broadway and, in turn, install signals at Battles/Miller. The new study would thus reinstate Battles as a collector street serving from Blosser to Bradley.

Other important traffic projects include the revival of the east-west expressway which would open a new corridor to the south end of the city. The state has also finally approved the installation of traffic signals at Main Street/101 interchange which will improve traffic conditions at this intersection.

FUNCTION	Overhead	Operations	F.Y. Capital Outlay	EXPENDITURES Bond Service	FUND SOURCE (S)	
					General	113,483
					Water	15,770
					Refuse-Coll.	10,120
					Refuse-Disp.	3,910
ADMINISTRATION		144,715	5,828		Sewer	7,260
					General	247,195
					Water	35,590
					Refuse-Coll.	22,840
BUILDINGS					Refuse-Disp.	8,830
		305,836	25,009		Sewer	16,390
					General	342,258
					Water	49,000
					Refuse-Coll.	31,450
					Refuse-Disp.	12,160
ENGINEERING					Sewer	22,570
		428,579	34,859		Gas Tax	6,000
					General	1,515,768
STREETS	243,840	1,416,948	1,050,680		Gas Tax/TDA	1,195,700
SEWERS	14,950	83,427	15,801	14,148	Sewer	128,326
WASTEWATER	117,490	547,719	66,262		Sewer	731,471
SAN.-COLLECTION	185,710	1,073,454	14,343		Refuse-Coll.	1,273,507
SAN.-DISPOSAL	77,290	442,528		23,300	Refuse-Disp.	543,118
DRAINAGE	6,610	37,284			General	43,894
WATER	310,100	1,301,441	823,513	21,222	Water	2,456,276
MECH. MAINT.		1,068,558	* 714,069		Equipment	1,782,627
PARKING DISTRICT		1,774			District	1,774
STOWELL CENTER		9,013			Maint. District	9,013
PARKING AUTHORITY	34,330	177,194	5,131,827	632,205	General	5,975,556
SMAT	78,470	399,769			Transp. Dev. Act.	478,239

NOTE: The above information should not be used as final audit figures, but are reasonably accurate for the purpose of this summary

* The annual equipment replacement program expenditure is included in this figure.

PERSONNEL NOTES

The total permanent employees working in the Public Works Department during fiscal year July 1, 1983 to June 30, 1984 amounted to 92, which included all the divisions.

The number of positions vacated in the department as a result of employees that either retired or left the City for personal reasons consisted of the following:

1 - Superintendent	Bill Williams	Retired	12/31/83
1 - Mechanic II	Millard West	Left City	02/14/84
1 - WWTP Operator	Froylan Guerrero	Left City	03/31/84
1 - Steno Clerk II	Wendy Holling	Left City	06/02/84
1 - Maintenance Worker III	Michael Chavez	Deceased	06/30/84
1 - Maintenance Worker II	Charlie Corral	Retired	12/31/84
2 - Maintenance Worker I	Robert Gauna	Left City	10/01/83
	Chris Merino	Left City	06/13/84

The above constitutes a turnover rate of 8.7% for all employees who left the Public Works Department during the fiscal year.

Summer programs were provided and training was carried out for a total of eleven (11) Work Aides of primarily high school age young adults in the following areas:

3 - Buildings
2 - Engineering
3 - Streets
1 - Wastewater
2 - Water

11 - TOTAL

Four (4) employees worked in the Public Works Department under the Neighborhood Youth Corps Program, which is financially supported by State funds to provide work experience and financial aid.

1 - Mechanical
3 - Sanitation

4 - TOTAL

EMPLOYEE ROSTER

DIRECTOR OF PUBLIC WORKS
REESE N. RIDDIOUGH

ASSISTANT DIRECTOR OF PUBLIC WORKS
JEFFREY S. SINN

ADMINISTRATIVE DIVISION

PERSONNEL
Albright, Kathy
Holling, Wendy
*Rios, Toni

STREETS & SEWERS DIVISION

SUPERINTENDENT
Galvan, Tony

SUPERVISOR
Claborn, Dale
Olivera, Ted

PERSONNEL
Cadriel, Agustin
Cargill, John
Johnson, Robert
Johnson, Steven
Martinez, Mario
Nartatez, John
Smith, Ron
*Pantoja, Anthony
Rivera, Florante
Smith, Ron
Soto, Percy
*Stahl, Craig
Torres, Jesse
Ujano, Robert
Valadez, Fernando
Velasquez, Dario
Walker, William

WATER DIVISION

SUPERINTENDENT
Smith, Jesse

SUPERVISOR
Morse, Carmel
Perry, James

PERSONNEL
Barnette, Ralph
Boyle, Bret
Bryant, Wayne
Cargill, Jim
Edgington, Rick
Gerletti, Marvin
Macy, Steve
Madison, Melvin
Ortiz, Daniel
Peffly, Steve
Vasquez, Henry
Wright, Frank

BUILDINGS DIVISION

SUPERINTENDENT
Anderson, Norman

PERSONNEL
*Almaguer, Tony
*Carroll, Kenneth
*Galvan, Jr., Tony
*Gooding, Joyce
*Guerrero, Mario
*Harper, Kathryn
Johnson, Roy
*Larsen, Deonne
Marsh, Harold
*Reber, Nannette
*Robinson, Robert
Roth, Robert
*Salgado, Joe
Stockton, Loy
*Velasquez, Ofelia

ENGINEERING DIVISION

PERSONNEL

Chandler, Phyllis
*Condiff, Ted
Diaz, Lee
Kirkpatrick, Mike
Palato, Carmen
Pantoja, Henry
Rios, Jr., Harold
*Rubcic, Dave
Ujano, Lorenzo
Wall, Robert
Zuspan, John

WASTEWATER TREATMENT DIV.

SUPERINTENDENT
Middleton, Ben

SUPERVISOR
Jakobson, Russell

PERSONNEL
Alloway, Anne
Bernier, Dennie
Guerrero, Froylan
Herman, Gary
LaMoreaux, Tom
Stevens, John
*Davis, David

SANITATION DIVISION

SUPERINTENDENT
Noble, Bill

SUPERVISOR
Miranda, Pete
Montes, Albert

PERSONNEL
Anaya, Ernest
Brown, Billy
Brown, Lewis
Carrell, Bryan
Chavez, Michael
Coleman, Sheryl
*Cottingham, Richard
Flores, Ruben
Hernandez, Rudy
Kelly, Bill
Knopf, Mike
Limon, Arthur
Lopez, Silvestre
Medrano, Ronald
Merino, Chris
Meriot, Francis
Moreno, Mark
*Rodriguez, Mark
*Rogers, Chris
Sanchez, Gregory
Torres, Joe
*Astorga, Manuel

MECHANICAL MAINTENANCE DIVISION

SUPERINTENDENT
Ramirez, Hank

SUPERVISOR
Merino, George

PERSONNEL
Azcarate, Larry
Boyd, Dean
Bracamonte, Daniel
Galvin, Robert
Hart, George
*Janikowski, Mike
Martin, Jerry
Uriarte, Tiburcio
West, Millard
Williams, Larry
*Willis, Steve
Wolf, Marcelino

* Part Time

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